



Office of Waste Management
Compliance Assurance and Emergency Response
1356 Hansford Street
Charleston, WV 25301-1401
304-558-5989/Fax 304-558-0256

West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael P. Miano
Director

March 26, 1999

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Richard Quaranta
Sr. Environmental Specialist
Johns Manville Corporation
P.O. Box 5130
Vienna, WV 26105-5130

Dear Mr. Quaranta:

Enclosed is a copy of the **Compliance Inspection Evaluation (CEI) Report** completed by a representative of the Chief of the Office of Waste Management. This report is based on the inspection conducted on March 15, 1999.

Please refer to the **Notice of Violation** for those violations discovered during the course of this inspection. As a result of those violations, this report is being referred for the following action:

<input type="checkbox"/>	Correct noted violations
<input checked="" type="checkbox"/>	Notice of Violation
<input type="checkbox"/>	Civil and Administrative Penalty (CAP)
<input type="checkbox"/>	Enforcement Referral

A copy of this report is being transmitted to the United States Environmental Protection Agency (U.S. EPA), Region III, Philadelphia, Pennsylvania.

Thank you for your assistance and cooperation. If you have any questions concerning the inspection or the attached report, please to contact Inspector Dale L. Gable at (304) 420-4635.

Sincerely,

Thomas A. Fisher
Field Operations Program Manager
Compliance Assurance and Emergency Response

TAF/kw

cc: Marie Owens, U.S. EPA Region III
Inspector Dale L. Gable
File

"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



West Virginia
Division of
Environmental Protection



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NOTICE OF VIOLATION

DATE: March 15, 1999

ISSUED TO: Johns Manville Corporation

EPA ID #: WVD082243502

FACILITY MAILING ADDRESS: P.O. Box 5130, Vienna, WV 26105-5130

FACILITY REPRESENTATIVE: Mr. Richard Quaranta, Sr. Environmental Specialist

On the date and time specified, an authorized agent of the Chief of the Office of Waste Management conducted an inspection of the facility described above in accordance with West Virginia Code, Chapter 22, Section 189 and/or an Order or Permit issued pursuant to §22-18. During that inspection, the following violation(s) were noted:

1. A. (Regulation) 40 CFR §262.11

B. Johns Manville Corp. has failed to perform a hazardous waste determination on its waste petroleum naphtha.

In order to attain compliance with the cited Code and/or Regulations, you must perform the following remedial actions:

1. Within 30 days of the receipt of this Notice, perform a hazardous waste determination on a representative sample of your waste petroleum naphtha. The determination shall include, at a minimum, a laboratory analysis for TCLP Volatiles, TCLP Semi-Volatiles, TCLP RCRA metals and Flashpoint.
2. Within 35 days of the receipt of this Notice, reply to this inspector, in writing, as to the completion of No. 1 above.

A copy of this Notice of Violation will be forwarded to the Enforcement Unit of the Office of Waste Management. The issuance of the Notice may result in an administrative civil penalty being levied in accordance with West Virginia Code § 22-18-17.

District Phone: (304) 420-4635

Issued By: Dale L. Gable

District Fax. (304) 420-4554

Title: Environmental Inspector

INSPECTION FACT SHEET

COMPANY NAME: Johns Manville Corporation

EPA ID #: WVD082243502

MAILING ADDRESS: P.O. Box 5130
Vienna, WV 26105-5130

FACILITY TYPE: SQG

LOCATION: 2905 3rd. Avenue

COUNTY: Wood

PHONE: 304-295-1201

HANDLING CODES: S01

FACILITY CONTACT: Richard Quaranta, Sr. Environmental Specialist

INSPECTION TYPE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act,
Chapter 22-18, and 40 CFR Parts 260-265.

HAZARDOUS WASTES GENERATED:

(For Conditionally Exempt and Small Quantity Generators, list type of waste, amount generated, and how disposed.)

- 1) Waste Petroleum Naphtha - Pending hazardous waste determination - 306kg to 491kg/month (when generated 2-3 times \ year) - Safety Kleen Corp.
- 2) Waste Paint Related Material - D001, F003, F005 - 30.24 kg/month
- 3) Waste Compound Cleaning Liquid - D006, D008, D018, D027, D039, D040 - 45 kg/month (when generated three (3) times \ year) - Safety Kleen Corp.

DATE INSPECTED: March 15, 1999

INSPECTORS: (1) Dale L. Gable, WV DEP\OWM

VIOLATIONS: Y

(2) Kevin Campbell, WV DEP\OWM

DATE PREPARED: March 17, 1999

PREPARED BY: Dale L. Gable

COMPLIANCE EVALUATION INSPECTION

RE: Johns Manville Corporation
 2905 3rd Avenue
 Vienna, WV
 EPA Identification Number: WVD082243502

DATE INSPECTED: March 15, 1999

INSPECTED BY: Dale L. Gable, WV DEP\OWM
 Kevin Campbell, WV DEP\OWM

REPORT BY: Dale L. Gable

On March 15, 1999 this inspector and Kevin Campbell, Environmental Inspector, conducted a Compliance Evaluation Inspection of Johns Manville Corporation in Vienna, WV. Upon our arrival, for this unannounced inspection, we were met by Mr. Richard Quaranta, Sr. Environmental Specialist. Upon presentation of appropriate credentials, we advised Mr. Quaranta of our authority as representatives of the Director of the WV Division of Environmental Protection and of the Chief of the Office of Waste Management. Mr. Quaranta was informed that this inspection would emphasize his company's compliance with the WV Hazardous Waste Management Act (Chapter 22, Article 18) and the rules promulgated thereunder.

Johns Manville Corporation (hereinafter "Manville") is a manufacturer of automotive fiberglass panels, acoustical panels and air filtration media. Before 1992, Manville also manufactured its own glass on site, but now purchases the glass from other Manville sources. Through the use of natural gas jets, fiberglass is made from glass marbles. The fiberglass is pressed into the various shapes needed for each manufactured product.

The following waste streams are currently generated by Manville:

1. **Waste Petroleum Naphtha**:** Currently classified as Non-Hazardous (According to Safety Kleen Corp. classification). This waste stream is generated 2-3 times per year (306kg-491kg per occurrence).

**** Manville has failed to perform a hazardous waste determination on this waste stream. Safety Kleen Premium Solvent oftentimes contains levels of contaminants that exceed hazardous characteristic levels. According to Mr. Quaranta, Safety Kleen personnel have represented their Premium Solvent as non-hazardous in nature.**
2. **Waste Paint Related Material:** D001, F003, F005. Manville currently generates 800 pounds of this waste stream per year (30.24 kg\month).
3. **Waste Compound Cleaning Liquid (Monoethanolamine):** D006, D008, D018, D027, D039, D040. Manville currently generates this waste stream three (3) times per year (45 kg per occurrence).
4. **Used Oil:** This non-hazardous but regulated waste stream is removed from the site by Safety Kleen Oil Recovery Services.

The following treatment, storage and disposal facilities are listed on hazardous waste shipping manifests by Manville as designated facilities:

1. Safety Kleen Corporation, Poco, WV

WVR000001446

2. Safety Kleen Corporation, Dolton, IL

ILD980613913

3. Chemtron Corporation, Avon, OH

OHD066060609

4. Safety Kleen Corporation, Smithfield, KY

KYD053348108

Pending a complete hazardous waste determination, Manville's generator status is either a Conditionally-Exempt Small Quantity Generator or a Small Quantity Generator. Manville, however, manages its' hazardous waste in a manner representative of a Small Quantity Generator. Due to this reasoning, the inspection was conducted under the regulatory scheme of a 100 kg/month to 1,000 kg/month, Small Quantity Generator.

During the office portion of the inspection, the following items of compliance were noted:

1. Arrangements with local emergency response agencies have been completed and are annually updated.
2. The primary emergency coordinator for the facility is Richard Quaranta. Mr. Quaranta is familiar with his duties during an emergency.
3. Emergency telephone numbers, as well as the telephone numbers of the primary and secondary emergency coordinators are posted next to a telephone.
4. Employees involved in hazardous waste management are trained in proper waste

handling and emergency procedures.

5. Since the facility is a Small Quantity Generator, no Waste Minimization certification is required by the US EPA.
6. Hazardous waste shipping manifests and land ban certifications are contingent on the hazardous waste determination performed on the Safety Kleen Premium solvent.

Following the office paperwork examination, we began the physical inspection of the facility. The physical inspection included the Hazardous Waste Storage area, the Used Oil Storage area, the Paint Shop, the Paint Booth, the Towmotor Repair Shop, the Pump Shop and the Caustic Cleaning area.

The Hazardous Waste Storage area is a non-permitted short term storage area for hazardous waste. At the time of the inspection, no hazardous wastes were being stored in the area.

Adjacent to the Hazardous Waste Storage area was the Used oil Storage area. Twenty-two (22) 55-gallon drums of used oil were being stored in the area. All of the containers were marked or labeled as "Used Oil". In addition, three (3) 55-gallon drums of waste tetradymmer dyes (non-hazardous) were being stored in the area.

In the Paint Shop, we noted the storage of one (1) 55-gallon drum of waste paint related material (D001, F003, F005). The container was labeled as "Hazardous Waste". The container was being used as a satellite storage unit, at or near the point of generation. No accumulation start date is required for the first 55 gallons stored in the satellite storage area. However, within three (3) days of the accumulation of over 55 gallons, the container holding the excess

accumulation of hazardous waste must be marked with the date upon which the excess hazardous waste began accumulating, as well as meet the other applicable pre-transport requirements of 40 CFR §262.34. The Paint Booth is located adjacent to the Paint Shop. The Paint Booth filters are analyzed on an annual basis for TCLP RCRA metals. According to Mr. Quaranta, the filters have consistently remained non-hazardous for years.

In the Towmotor Repair Shop, maintenance is performed on fork trucks. One (1) Safety Kleen(SK) basin, holding SK Premium Solvent, is used to clean parts in the maintenance area. No areas of violation were noted in the area.

The Machine Shop is an area dedicated to the repair and fabrication of various machine parts. One Safety Kleen basin, holding SK Premium Solvent, was noted to be used in this area. No areas of violation were noted in the Machine Shop.

The Pump Shop is an area where facility pumps are tested and repaired. Two Safety Kleen immersion cleaner units are used in the area to clean various pumps and pump parts. Spent SK immersion cleaner is a RCRA hazardous waste (D006, D008, D027, D039 and D040). However, while the immersion cleaner remains in an active process unit, it is not a waste. Safety Kleen personnel remove the spent solvent from the units, during routine service trips.

In the Caustic Cleaning area, resins from various pumps and headers are cleaned with a caustic (NaOH) solution. The spent solution is neutralized on site and discharged into the City of Parkersburg POTW.

Following a brief meeting with Mr. Quaranta, we thanked him for his cooperation, then

(CEI) Johns Manville Corporation
EPA ID Number: WVD082243502
March 15, 1999
Page 6

departed the facility at 1117 hours.

COMPLIANCE EVALUATION

See the Notice of Violation in the attachments of this report.



Office of Waste Management
Compliance Assurance and Emergency Response
2311 Ohio Avenue
Parkersburg, WV 26101
304-420-4635 \ Fax: 304-420-4554

West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael P. Miano
Director

April 5, 1999

Richard Quaranta, Sr. Environmental Specialist
Johns Manville Corporation
P.O. Box 5130
Vienna, WV 26105-5130

Dear Mr. Quaranta:

I am in receipt of your response to the March 15, 1999 Notice of Violation, as well as the attached laboratory analysis. Since the detection limits for nearly all of the TCLP analytes exceeded the regulatory concentration limits, the waste cannot reasonably be classified as non-hazardous. Your decision to reclassify the spent parts washer solvent as hazardous waste is prudent, due to the matrix interference in the laboratory analysis.

Johns Manville Corporation has complied with all of the requirements of the March 15, 1999 Notice of Violation, including the analytical and reporting requirements. I appreciate your cooperation and assistance during the inspection and your promptness in the timely submission of the requested information.

Sincerely,

Dale L. Gable, Environmental Inspector

"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



West Virginia
Division of
Environmental Protection

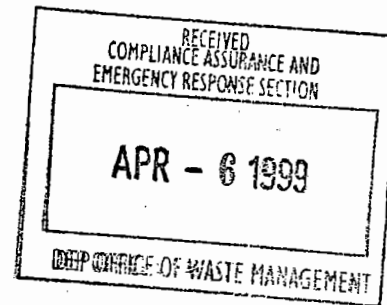


April 1, 1999

West Virginia Division of Environmental Protection

Office of Waste Management
Compliance Assurance and Emergency Response
2311 Ohio Avenue
Parkersburg, WV 26101

Johns Manville Corporation
EPA ID# WVD082243502
P.O. Box 5130, Vienna, WV 26105-5130



To: Dale L. Gable; Environmental Inspector

Dale:

In accordance with the terms of your inspection letter dated March 15, 1999, please find enclosed a copy of the lab analysis for TCLP, Volatiles, TCLP Semi-Volatiles, TCLP RCRA metals and Flashpoint as requested for the waste determination on the plant's parts cleaner solvent. Results of the lab analysis indicate that the parts washer solvent is non-hazardous.

Based on these analytical data and Johns Manville's process knowledge, JM's shipments with Safety - Kleen made in the past, as non- hazardous waste have been in compliance with West Virginia regulations.

With respect to any future shipments of this parts cleaner solvent with Safety Kleen, to avoid any risk of future non-compliance, JM will reclassify it as hazardous waste, and it will be handled and transported accordingly.

As per our discussion, please follow-up with a letter of closure on the NOV so that we have on file.

If you have any questions, please call me anytime at 295-1201.

Sincerely,

A handwritten signature in cursive script that reads 'Richard Quaranta'.

Richard Quaranta
Sr. Environmental Specialist

Date : 03/25/99

Date Received : 03/18/99

Date Extracted: 03/18/99

Date Analyzed : 03/22/99

Analysis For : Johns Manville

TRANS-ENVIRO # : 990318-13-A

Customer I.D. : Parts Washers

TCLP CONTAMINANTS

<u>PARAMETER/ (EPA HW No.¹)</u>	<u>DL mg/Kg</u>	<u>RL mg/L</u>	<u>RESULTS mg/Kg</u>
Benzene (D018)	25*	0.5	BDL
Carbon tetrachloride (D019)	25*	0.5	BDL
Chlorobenzene (D021)	25	100.0	BDL
Chloroform (D022)	25*	6.0	BDL
o-Cresol (D023)	50	200.0	BDL
m&p-Cresol (D024, D025)	100	200.0	BDL
Cresol, total (D026)	150	200.0	BDL
1,4-Dichlorobenzene (D027)	25*	7.5	BDL
1,2-Dichloroethane (D028)	25*	0.5	BDL
1,1-Dichloroethylene (D029)	25*	0.7	BDL
2,4-Dinitrotoluene (D030)	50*	0.13	BDL
Hexachlorobenzene (D032)	50*	0.13	BDL
Hexachlorobutadiene (D033)	50*	0.5	BDL
Hexachloroethane (D034)	50*	3.0	BDL
Methyl ethyl ketone (D035)	250*	200.0	BDL
Nitrobenzene (D036)	50*	2.0	BDL
Pentachlorophenol (D037)	250*	100.0	BDL
Pyridine (D038)	50*	5.0	BDL
Tetrachloroethylene (D039)	25*	0.7	BDL
Trichloroethylene (D040)	25*	0.5	BDL
2,4,5-Trichlorophenol (D041)	50	400.0	BDL
2,4,6-Trichlorophenol (D042)	50*	2.0	BDL
Vinyl chloride (D043)	25*	0.2	BDL

* Detection limits raised due to matrix interference.

DL = Detection Limit
RL = Regulatory Limit

BDL = Below Detection Limit
1 = Hazardous Waste Number

Method : EPA SW 846 (8260, 8270, 1311)

SURROGATE RECOVERIES

TRANS-ENVIRO # : 990318-13-A

Customer I.D. : Parts Washers

<u>SURROGATE</u>	<u>% RECOVERY</u>	<u>ACCEPTABLE LIMITS</u>
Volatile Organic Compounds		
Dibromofluoromethane	109	90 - 125%
Toluene-d8	88	77 - 115%
Bromofluorobenzene	90	89 - 113%
Semi-Volatile Organic Compounds		
Nitrobenzene-d5	62	26 - 130%
2-Fluorobiphenyl	129	10 - 114%
Terphenyl-d14	125	19 - 153%
2-Fluorophenol	61	34 - 143%
Phenol-d6	90	21 - 153%
2,4,6-Tribromophenol	27	10 - 183%

Date : 03/29/99

Date Received : 03/18/99

Date Extracted: 03/18/99

Date Analyzed : 03/24-29/99

Analysis For : Johns Manville

TRANS-ENVIRO # : 990318-13-A

Customer I.D. : Parts Washers

**CHARACTERISTIC of TCLP
METALS**

<u>ELEMENT/(EPA HW No.¹)</u>	<u>DL mg/L</u>	<u>RL mg/L</u>	<u>RESULTS mg/L</u>
Arsenic (D004)	0.336	5.0	BDL
Barium (D005)	0.15	100.0	BDL
Cadmium (D006)	0.27	1.0	BDL
Chromium (D007)	0.26	5.0	BDL
Lead (D008)	1.36	5.0	BDL
Mercury (D009)	0.004	0.2	BDL
Selenium (D010)	0.05	1.0	BDL
Silver (D011)	0.09	5.0	BDL

RL = Regulatory Limit

DL = Detection Limit

BDL = Below Detection Limit

1 = Hazardous Waste Number

Methods : Extraction - EPA SW 846(1311)
Mercury - EPA SW 846(7470)
Selenium - EPA SW 846(6020)
Other metals - EPA SW 846(6010)

Date : 03/25/99

Date Received : 03/18/99
Date Analyzed : 03/26/99

Analysis For : Johns Manville

TRANS-ENVIRO # : 990318-13-A

Customer I.D. : Parts Washers

<u>PARAMETER</u>	<u>METHOD</u>	<u>DL</u>	<u>RESULTS</u>
Ignitability	EPA SW 846(1010)	N.A.	159°F

Method Blank	EPA SW 846(1010)	N.A.	N.A.
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DL = Detection Limit
BDL = Below Detection Limit
N.A. = Not Applicable

change name, mailing address, contact, contact address, owner, owner address, type
add waste codes

RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM
MAINTENANCE FORM FOR EPA NOTIFICATION

I. EPA-ID# WV1082243502 Date: 7-14-97

II. FACILITY NAME Schuller International Inc

NEW FACILITY NAME

Name Change

Johns Manville Corporation

III. LOCATION OF INSTALLATION

Street

City/Town

State

Zip

County Code

County Name

IV. INSTALLATION MAILING ADDRESS

Street

City/Town

State

Zip

V. INSTALLATION CONTACT

Last Name

Quaranta

First

Richard

Job Title

Sr Environmental

Phone #

(304) 295-1201

VI. INSTALLATION CONTACT ADDRESS

Street

PO Box 5130

City/Town

State

Zip

VII. OWNERSHIP

Name of Legal Owner

Johns Manville Corp

Street

City/Town

State

Zip

Phone # ()

Land Type

Owner Type

IX. WASTE CODES

Delete Old Waste Codes

Add New Waste Codes

Updated in RCRIS by:

HST
MA

Date:

7-17

7-22

VIII A. Hazardous Waste Activity

- | | Type | RCRA Reg.
Status | RCRA Reg.
Desc. |
|---|-----------|--|--------------------|
| 1. Generator | _____ | _____ | _____ |
| 2. Transporter | _____ | _____ | _____ |
| 3. TSD | _____ | _____ | _____ |
| Mode of Transportation for Transporter | | | |
| | Air _____ | Rail _____ | Highway _____ |
| | | Water _____ | Other _____ |
| 4. <u>HWF Burner/Blender:</u> | | | |
| | B | Boiler and/or Industrial Furnace (BIF) only. | |
| | D | BIF only; Smelter Deferral. | |
| | E | BIF only; Small Quantity Exemption Claimed. | |
| | N | Not a Burner/Blender, Verified. | |
| | X | Other Burner/Blender Activity. | |
| | Blank | Unverified. | |
| a. <u>HWF Marketing to Burner:</u> | | | |
| | X | Code indicates that the Handler is a generator engaged in marketing burners of hazardous waste fuel activities. | |
| b. <u>HWF Other Marketers:</u> | | | |
| | X | Code indicates that the Handler is engaged in hazardous waste fuel marketing activities other than generator marketing to burner. | |
| c. <u>HWF Boiler/Industrial Furnaces:</u> | | | |
| | B | Boiler and/or Industrial Furnace (BIF) only. | |
| | X | Indication of Activity. | |
| 5. <u>Underground Injection Control:</u> | | | |
| | X | Code indicates that the Handler generates and/or treats, stores, or disposes of hazardous waste and has an injection well located at the installation. | |

VIII B. Used Oil Recycling Activities

1. Used Oil Recycling Activities
 - a. Used Oil Marketer to Burners:

X Marketer directs shipments of used oil to burners.
 - b. Used Oil Other Marketers:

X Handler is engaged in marketing of off-spec. used oil fuel other than generator marketing to burner(e.g., marketing to UO refinery).
2. Used Oil Burners:

X Indication of Activity.

Burner Types:

Utility Boiler	Industrial Boiler	Industrial Furnace
H=Hazardous Waste Fuel	U=Used Oil Fuel	B=Both
3. Used Oil Transporter:

T=Transporter F=Transfer B=Both
4. Used Oil Processor/Re-refiner:

P=Process Only R=Refine Only B=Both

*EPA ID: WVD082243502 Other ID: Merge Send: Y
*Date Received(MMDDYY): 042881 Source(N/E/S): N Non-Notifier Flag:
*Date Acknowledged (MMDDYYYY): 04221992 Send Acknowledgement:
*Name of Installation: SCHULLER INTERNATIONAL INC

* Installation Location Address

*Streets: 2905 3RD AVE
*City: VIENNA State: WV Zip: 26105
*County Code: 107 County Name: WOOD

* Installation Mailing Address

*Streets: PO BOX 5130
*City: VIENNA State: WV Zip: 26105

* Contact Information

* Last Name	First Name	Title	Phone	Address(M,L,O)
* SEPKO	ANDREW	PLANT MGR	3042951232	L

*Streets: 2905 3RD AVE
*City: VIENNA State: WV Zip: 26105

*Land Type: P

* Enter-Continue F1-Previous Screen F3-Exit

* EPA ID: WVD082243502 Other ID: Source: N

*

* Owner Sequence Number: 1

* Ownership: MANVILLE CORP Type of Owner: P

*

*

* Address of Owner/Operator

*

* Street: 717 17TH ST

* City: DENVER State: CO Zip Code 80202

* Phone: 3039782000

*

* Current/Previous Indicator: CO Change Date(MMDDYY):

*

*

*

* Enter-Continue F1-Previous Screen F3-Exit F5-Curr. Owner

* F6-Prev. Owner F8-Help F9-First F10-Next

* EPA ID: WVD082243502 Other ID: Source: N

		RCRA Reg	RCRA Reg	State Reg	State Reg
Waste Activity	Type	Status	Desc	Status	Desc

* -----

* HW Generator: 2 R

* HW TSD:

* HW Transporter:

* Transport Mode: Air: Rail: Highway: Water:

* Other:

* HW Burner/Blender:

* NHW Used Oil Recycler:

* -----

* Underground Injection Control:

* Recycler:

*

*

* Enter-Continue F1-Previous Screen F3-Exit F8-Help

* EPA ID: WVD082243502 Other ID:

* Source: N

* Hazardous Waste Codes: Specific/Non-Specific/Commercial/Chemical

* D000 D001 D002 D006 D007

* D008 D018 D021 D027 D039

* D040 F003 F005

*Enter-Continue

F1-Previous Screen

F3-Exit

*F8-Help

F9-First

F10-Next

for Filing: Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒

B. Subsequent Notification
(Complete Item C)

C. Installation's EPA ID Number

WV 0082243502

II. Name of Installation (Include company and specific site name)

JOHNS MANVILLE CORPORATION

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

2905 3rd AVE

Street (Continued)

City or Town

VIENNA

State

Zip Code

WV

26105-5130

County Code

County Name

107

WOOD

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

PO BOX 5130

City or Town

VIENNA

State

Zip Code

WV

26105-5130

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

QUARANTA

(First)

RICHARD

Job Title

SR ENVIRONMENTAL

Phone Number (Area Code and Number)

304-295-1201

VI. Installation Contact Address (See Instructions)

A. Contract Address:
Location Mailing Other

☐☒☐

B. Street or P.O. Box

PO BOX 5130

City or Town

VIENNA

State

Zip Code

WV

26105-5130

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

JOHNS MANVILLE CORPORATION

Street, P.O. Box, or Route Number

717 17TH STREET

City or Town

DENVER

State

Zip Code

CO

80202-RCRA

Phone Number (Area Code and Number)

303-978-2000

B. Land Type

P

C. Owner Type

P

D. Change of Owner Indicator

Yes

No

X

(Date Changed) Month Day Year

Month Day Year

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to Instructions)

A. Hazardous Waste Activity		B. Used Oil Recycling Activities
<p>1. Generator (See Instructions)</p> <p><input type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.)</p> <p><input checked="" type="checkbox"/> b. 100 to 1000 kg/mo (200-2,200 lbs.)</p> <p><input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.)</p> <p>2. Transporter (Indicate Mode in boxes 1-5 below)</p> <p><input type="checkbox"/> a. For own waste only</p> <p><input type="checkbox"/> b. For commercial purposes</p> <p>Mode of Transportation</p> <p><input type="checkbox"/> 1. Air</p> <p><input type="checkbox"/> 2. Rail</p> <p><input type="checkbox"/> 3. Highway</p> <p><input type="checkbox"/> 4. Water</p> <p><input type="checkbox"/> 5. Other - specify _____</p>	<p><input type="checkbox"/> 3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see Instructions.</p> <p>4. Hazardous Waste Fuel</p> <p><input type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketers</p> <p><input type="checkbox"/> c. Boiler and/or Industrial Furnace</p> <p><input type="checkbox"/> 1. Smelter Deferral</p> <p><input type="checkbox"/> 2. Small Quantity Exemption</p> <p>Indicate Type of Combustion Device(s)</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 5. Underground Injection Control</p>	<p>1. Used Oil Fuel Marketer</p> <p><input type="checkbox"/> a. Marketer Directs Shipment of Used Oil to Off-Specification Burner</p> <p><input type="checkbox"/> b. Marketer Who First Claims the Used Oil Meets the Specifications</p> <p>2. Used Oil Burner - Indicate Type(s) of Combustion Device(s)</p> <p><input type="checkbox"/> a. Utility Boiler</p> <p><input type="checkbox"/> b. Industrial Boiler</p> <p><input type="checkbox"/> c. Industrial Furnace</p> <p>3. Used Oil Transporter - Indicate Type of Activity(ies)</p> <p><input type="checkbox"/> a. Transporter</p> <p><input type="checkbox"/> b. Transfer Facility</p> <p>4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)</p> <p><input type="checkbox"/> a. Process</p> <p><input type="checkbox"/> b. Re-refine</p>

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> D006 D007 D008 D02

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)

1 F003	2 F005	3	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See instructions.)

1	2	3	4	5	6
---	---	---	---	---	---

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature <i>Richard Quaranta</i>	Name and Official Title (Type or print) SR. ENVIRONMENTAL SPECIALIST RICHARD QUARANTA	Date Signed 6/12/97
--------------------------------------	---	------------------------

XI. Comments

NOTIFICATION FOR NAME CHANGE

RECEIVED

JUN 27 1997

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

Division of Environmental Protection
Office of Waste Management
Notifications



COPY

DEPARTMENT OF COMMERCE, LABOR & ENVIRONMENTAL RESOURCES
DIVISION OF ENVIRONMENTAL PROTECTION

1356 Hansford Street
Charleston, WV 25301-1401

Gaston Caperton
Governor

John M. Ranson
Cabinet Secretary

February 23, 1994

David C. Callaghan
Director

Ann A. Spaner
Deputy Director

Ms. Christine Burkett
Environmental Specialist
Schuller International, Inc.
P.O. Box 5130
Vienna, West Virginia 26105-5130

Dear Ms. Burkett:

Enclosed is a copy of the **Compliance Evaluation Inspection (CEI) Report** completed on your facility by a representative of the Chief from the Office of Waste Management. This report is based on the inspection conducted on February 18, 1994.

There were no areas of non-compliance with the appropriate Hazardous Waste Management Regulations documented during the inspection.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at (304) 558-5989.

Sincerely,

H. Michael Dorsey, Assistant Chief
Compliance Monitoring/Enforcement
Office of Waste Management

kw

Enclosure

cc: ~~Jeannie Seefeld, U.S. EPA, Region III~~
Dale Gable, Inspector
Permits Section
File

INSPECTION FACT SHEET

COMPANY NAME: Schuller International, Inc.

I.D.#: WVD082243502

MAILING ADDRESS: P.O. Box 5130
Vienna, WV 26105-5130

TYPE OF FACILITY: SQG

LOCATION: 2905 Third Avenue
Vienna, WV

COUNTY: Wood

COMPANY CONTACT: Ms. Christine Burkett, Environmental Specialist HANDLING CODES: S01

TELEPHONE: (304) 295-1232

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act, Chapter 20-5E;
West Virginia Administrative Regulations for Chapter 20-5E;
and/or 40 CFR, Parts 260-299.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled, where it goes)

- 1) Waste Petroleum Naptha - D001, D018, D039
- 2) Waste Immersion Cleaner - D006, D007, D008, D018, D021, D027, D039, D040
- 3) Waste Paint Related Material - D001, F003, F005
- 4) Waste Paint Filters - Occasionally D007
- 5) Waste Corrosives - D002

Quantity/Month: 386.5 kg

Disposal Company: Safety Kleen Corporation

DATE INSPECTED: February 18, 1994

 VIOLATIONS

 X NO VIOLATIONS

INSPECTORS: Dale L. Gable, WV DEP/OWM
Kevin Campbell, WV DEP/OWM

DATE PREPARED: February 18, 1994

PREPARED BY: Dale L. Gable

INSPECTION REPORT

Subject: Compliance Evaluation Inspection of Schuller International, Inc. in Vienna, WV.

Inspection Date: February 18, 1994.

Inspected by: Dale L. Gable, WV DEP/Office of Waste Management
Kevin Campbell, WV DEP/Office of Waste Management

On February 18, 1994 this inspector and Kevin Campbell, Environmental Inspector, conducted a Compliance Evaluation Inspection (CEI) of Schuller International, Inc. in Vienna, WV. Upon our arrival at 1041 hours, for this unannounced inspection, we were met by Ms. Christine Burkett, Environmental Specialist and later by Mr. Roger Snow, Plant Manager. Upon presentation of appropriate credentials, I advised Ms. Burkett of our intentions to conduct an inspection of the facility in order to monitor compliance with the West Virginia Hazardous Waste Management Regulations.

Schuller International, Inc. in Vienna, WV is a manufacturing facility for the production of fiberglass insulation, primarily for the automobile industry. In 1990, the facility rebuilt their furnace and stack linings, removing chromium refractories, replacing them with non-chromium refractories. In 1992, the entire glass production portion of the facility was closed. The facility currently purchases glass marbles from outside sources for its fiberglass production process. The most significant hazardous waste stream generated by the facility was deleted when the chromium refractories were removed and the process discontinued.

The facility currently generates the following hazardous wastes:

<u>Waste</u>	<u>Waste Code</u>
Petroleum Naptha	D001, D018, D039
Immersion Cleaner	D007, D008, D006, D018, D021, D027, D039, D040
Waste Paint	D001, F003, F005
Paint Filters	Occasionally D007
Corrosives	D002

Schuller International, Inc. generates approximately 386.5 kg/month of these hazardous wastes. The waste petroleum naptha and immersion cleaner are generated in Safety Kleen parts cleaning basins. The waste paint related material is generated in a Safety Kleen paint gun cleaner. The paint filters are generated in a paint booth in the painting area and are only occasionally hazardous for TCLP chromium. The waste corrosives are infrequently generated in various plant maintenance operations. The volumes of waste generated will vary slightly, month to month, depending on the various maintenance projects which are undergoing. The facility is currently classified as a Small Quantity Generator of hazardous waste.

During the office portion of the inspection, the facility contingency plan , hazardous waste shipping manifests, land-ban certifications and waste generation records were examined and found to be complete and in good order. The facility is keeping their emergency contingency plan current due to the possibility of any future return to full generator status.

During the physical inspection of the facility we examined the hazardous waste drum storage area, the maintenance areas containing the Safety Kleen parts cleaning basins, the painting area and the emergency telephone area. All of the containers holding hazardous waste in each of the areas were labeled and dated properly, closed and in good condition. All required information was posted next to the emergency telephone, including the name and telephone number of the Emergency Coordinator, emergency telephone numbers and the locations of fire extinguishers.

Following a brief wrap-up meeting with Ms. Burkett, we thanked her for her assistance and departed the facility at 1126 hours.

COMPLIANCE EVALUATION

No areas of violation were noted during the inspection.

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

Date Received
(For Official Use Only)

United States Environmental Protection Agency

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐

A. First Notification

☒

B. Subsequent Notification
(complete item C)

C. Installation's EPA ID Number

WV 008 2243502

II. Name of Installation (Include company and specific site name)

SCHULLER INTERNATIONAL INC

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street:

2905 3RD AVE

Street (continued):

City or Town

VIENNA

State

WV

ZIP Code

26105-5130

County Code: County Name

WOOD

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

P.O. BOX 5130

City or Town

VIENNA

State

WV

ZIP Code

26105-5130

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

SEPKO

(first)

ANDREW

Job Title

PLANT MANAGER

Phone Number (area code and number)

304-295-1232

VI. Installation Contact Address (See instructions)

A. Contact Address

Location

Mailing

☒

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

MANVILLE CORPORATION

Street, P.O. Box, or Route Number:

717 17TH STREET

City or Town

DENVER CO

State

CO

ZIP Code

80202

Phone Number (area code and number)

303-978-2000

B. Land Type

☐

C. Owner Type

☐

D. Change of Owner Indicator

Yes

No

☒

(Date Changed)

Month

Day

Year

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for address.)

XI. Comments

Signature: *Christine L. Buckle*
Name and Official Title (Type or Print): *CHRISTINE L. BUCKLE*
Date Signed: *3-24-81*

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

C. Other Wastes (State or other wastes requiring an ID number. See instructions.)	
1	
2	
3	
4	
5	
6	

D. Hazardous Wastes (See 40 CFR 261.11 - 261.12. See instructions if you need to list more than 12 waste codes.)	
1	F000 B
2	F001 B
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

1. Ignitable (D001) ☒ 2. Corrosive (D002) ☒ 3. Reactive (D003) ☐ 4. EP Toxic (D004) ☒

Wastes your registration number. (See 40 CFR Parts 261.20 - 261.24)

Characteristics of Nonhazardous Wastes. Mark X in the boxes corresponding to the characteristics of nonhazardous wastes your registration number. (See 40 CFR Parts 261.20 - 261.24)

D007 0039 D018 D027 0039 D018 D027

IX. Description of Requested Wastes (Use additional sheets if necessary)

A. Hazardous Waste Activity	
1. Transfer (See instructions)	<input checked="" type="checkbox"/>
2. Treatment (includes incineration in cases 1-5 below)	<input type="checkbox"/>
3. Storage (includes incineration in cases 1-5 below)	<input type="checkbox"/>
4. Other (Specify)	<input type="checkbox"/>

B. Used Oil Fuel Activities	
1. On-Site Combustion Used Oil Fuel	<input type="checkbox"/>
2. Off-Site Combustion Used Oil Fuel	<input type="checkbox"/>

VIII. Type of Requested Waste Activity (Mark X in the appropriate boxes. Refer to instructions.)

ID - For Official Use Only

Add waste codes
Delete waste code

yes

RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM
MAINTENANCE FORM FOR EPA NOTIFICATION

EPA-ID# 1W1V1D1018121214131510121 Date: 3-18-94

FACILITY NAME Schuller International Inc.

New Facility Name

Name Change _____

Location of Installation

Street _____

City/Town _____ State _____ Zip _____

County Code _____ County Name _____

Installation Mailing Address

A Street PO Box 513D

City/Town _____ State _____ Zip _____

Installation Contact

Last Name Sepko First Andrew

A Job Title Plant Manager Phone # (304) 295-1232

Street _____

City/Town _____ State _____ Zip _____

Ownership

Name of Legal Owner _____

Street _____

City/Town _____ State _____ Zip _____

Phone # (____) _____ Land Type _____ Owner Type _____

Waste Codes

Delete Old Waste Codes

Add New Waste Codes

A D005 _____

D002 D027 D040 _____
D008 D039 _____
D021 D018 _____

Updated in RCRIS by Am Date 4-15-94

08/4/26

Waste
Activity

Type

RCRA Reg.
Status

RCRA Reg.
Desc.

Generator

TSD

Transporter

Mode of Transportation:

Air _____ Rail _____ Highway _____ Water _____ Other _____

Burner/Blender

B Boiler and/or Industrial Furnace (BIF) only.

D BIF only; Smelter Deferral.

E BIF only; Small Quantity Exemption claimed.

N Not a Burner/Blender, Verified.

X Other Burner/Blender Activity.

Blank Unverified.

HWF Market to Burner

X Code indicates that the handler is a generator engaged in marketing to burners of hazardous waste fuel activities.

Blank No activity.

HWF Other Market

X Code indicates that the Handler is engaged in hazardous waste fuel marketing activities other than generator marketing to burner.

HWF Burner

B Boiler and/or Industrial Furnace.

X Indication of activity.

OSO Market to Burner

X Code indicates that the handler is a generator engaged in marketing to burners of off-spec. used oil fuel.

OSO Other Market

X Code indicates that the Handler is engaged in marketing of off-spec. used oil fuel other than generator marketing to burner (e.g., marketing to used oil refinery).

OSO Burner

B Boiler and/or Industrial Furnace.

X Indication of Activity.

SO ACT:

Code indicating that the handler is engaged in marketing of specification fuel oil activities.

B Boiler and/or Industrial Furnace.

X Indication of Activity.

Burner Types

Utility Boiler _____ Industrial Boiler _____ Ind. Furnace _____

Underground Injection Control

X Code indicates that the Handler generates and/or treats, stores, or disposes of hazardous waste and has an injection well located at the installation.

Recycler:

C Commercial

R Non-Commercial Recycler

N Not a Recycler, Verified

Blank Not a recycler, unverified.

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)



A. First Notification

B. Subsequent Notification
(complete item C)

C. Installation's EPA ID Number

NV 0082243502

II. Name of Installation (Include company and specific site name)

SCHULLER INTERNATIONAL INC

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

2905 3RD AVE

Street (continued)

City or Town

VIENNA

State

ZIP Code

NV 26105-5130

County Code County Name

1 P7 WOOD

IV. Installation Mailing Address (See instructions)

Street or P.O. Box

P.O. BOX 5130

City or Town

VIENNA

State

ZIP Code

NV 26105-5130

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

SEPKO

(first)

ANDREW

Job Title

PLANT MANAGER

Phone Number (area code and number)

304-295-1232

VI. Installation Contact Address (See instructions)

A. Contact Address
Location Mailing

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

MANVILLE CORPORATION

Street, P.O. Box, or Route Number

717 17TH STREET

City or Town

DENVER CO

State

ZIP Code

CO 80202

Phone Number (area code and number)

303-978-2000

B. Land Type

C. Owner Type

D. Change of Owner
Indicator

Yes No X

(Date Changed)
Month Day Year

ID - For Official Use Only

VIII. Type of Requested Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

1. Generator (See instructions) ☒ 2. Transporter (includes Mode in Boxes 1-5 below) ☐ 3. Transfer, Storage, Disposal (at treatment) ☐ 4. Hazardous Waste Fuel ☐ 5. Other (Specify in Box 1-5 below) ☐

6. Generator (includes Mode in Boxes 1-5 below) ☐ 7. Transporter (includes Mode in Boxes 1-5 below) ☐ 8. Transfer, Storage, Disposal (at treatment) ☐ 9. Hazardous Waste Fuel ☐ 10. Other (Specify in Box 1-5 below) ☐

11. Generator (includes Mode in Boxes 1-5 below) ☐ 12. Transporter (includes Mode in Boxes 1-5 below) ☐ 13. Transfer, Storage, Disposal (at treatment) ☐ 14. Hazardous Waste Fuel ☐ 15. Other (Specify in Box 1-5 below) ☐

16. Generator (includes Mode in Boxes 1-5 below) ☐ 17. Transporter (includes Mode in Boxes 1-5 below) ☐ 18. Transfer, Storage, Disposal (at treatment) ☐ 19. Hazardous Waste Fuel ☐ 20. Other (Specify in Box 1-5 below) ☐

21. Generator (includes Mode in Boxes 1-5 below) ☐ 22. Transporter (includes Mode in Boxes 1-5 below) ☐ 23. Transfer, Storage, Disposal (at treatment) ☐ 24. Hazardous Waste Fuel ☐ 25. Other (Specify in Box 1-5 below) ☐

26. Generator (includes Mode in Boxes 1-5 below) ☐ 27. Transporter (includes Mode in Boxes 1-5 below) ☐ 28. Transfer, Storage, Disposal (at treatment) ☐ 29. Hazardous Waste Fuel ☐ 30. Other (Specify in Box 1-5 below) ☐

31. Generator (includes Mode in Boxes 1-5 below) ☐ 32. Transporter (includes Mode in Boxes 1-5 below) ☐ 33. Transfer, Storage, Disposal (at treatment) ☐ 34. Hazardous Waste Fuel ☐ 35. Other (Specify in Box 1-5 below) ☐

36. Generator (includes Mode in Boxes 1-5 below) ☐ 37. Transporter (includes Mode in Boxes 1-5 below) ☐ 38. Transfer, Storage, Disposal (at treatment) ☐ 39. Hazardous Waste Fuel ☐ 40. Other (Specify in Box 1-5 below) ☐

41. Generator (includes Mode in Boxes 1-5 below) ☐ 42. Transporter (includes Mode in Boxes 1-5 below) ☐ 43. Transfer, Storage, Disposal (at treatment) ☐ 44. Hazardous Waste Fuel ☐ 45. Other (Specify in Box 1-5 below) ☐

46. Generator (includes Mode in Boxes 1-5 below) ☐ 47. Transporter (includes Mode in Boxes 1-5 below) ☐ 48. Transfer, Storage, Disposal (at treatment) ☐ 49. Hazardous Waste Fuel ☐ 50. Other (Specify in Box 1-5 below) ☐

49. Generator (includes Mode in Boxes 1-5 below) ☐ 50. Transporter (includes Mode in Boxes 1-5 below) ☐ 51. Transfer, Storage, Disposal (at treatment) ☐ 52. Hazardous Waste Fuel ☐ 53. Other (Specify in Box 1-5 below) ☐

54. Generator (includes Mode in Boxes 1-5 below) ☐ 55. Transporter (includes Mode in Boxes 1-5 below) ☐ 56. Transfer, Storage, Disposal (at treatment) ☐ 57. Hazardous Waste Fuel ☐ 58. Other (Specify in Box 1-5 below) ☐

59. Generator (includes Mode in Boxes 1-5 below) ☐ 60. Transporter (includes Mode in Boxes 1-5 below) ☐ 61. Transfer, Storage, Disposal (at treatment) ☐ 62. Hazardous Waste Fuel ☐ 63. Other (Specify in Box 1-5 below) ☐

64. Generator (includes Mode in Boxes 1-5 below) ☐ 65. Transporter (includes Mode in Boxes 1-5 below) ☐ 66. Transfer, Storage, Disposal (at treatment) ☐ 67. Hazardous Waste Fuel ☐ 68. Other (Specify in Box 1-5 below) ☐

69. Generator (includes Mode in Boxes 1-5 below) ☐ 70. Transporter (includes Mode in Boxes 1-5 below) ☐ 71. Transfer, Storage, Disposal (at treatment) ☐ 72. Hazardous Waste Fuel ☐ 73. Other (Specify in Box 1-5 below) ☐

74. Generator (includes Mode in Boxes 1-5 below) ☐ 75. Transporter (includes Mode in Boxes 1-5 below) ☐ 76. Transfer, Storage, Disposal (at treatment) ☐ 77. Hazardous Waste Fuel ☐ 78. Other (Specify in Box 1-5 below) ☐

79. Generator (includes Mode in Boxes 1-5 below) ☐ 80. Transporter (includes Mode in Boxes 1-5 below) ☐ 81. Transfer, Storage, Disposal (at treatment) ☐ 82. Hazardous Waste Fuel ☐ 83. Other (Specify in Box 1-5 below) ☐

84. Generator (includes Mode in Boxes 1-5 below) ☐ 85. Transporter (includes Mode in Boxes 1-5 below) ☐ 86. Transfer, Storage, Disposal (at treatment) ☐ 87. Hazardous Waste Fuel ☐ 88. Other (Specify in Box 1-5 below) ☐

89. Generator (includes Mode in Boxes 1-5 below) ☐ 90. Transporter (includes Mode in Boxes 1-5 below) ☐ 91. Transfer, Storage, Disposal (at treatment) ☐ 92. Hazardous Waste Fuel ☐ 93. Other (Specify in Box 1-5 below) ☐

94. Generator (includes Mode in Boxes 1-5 below) ☐ 95. Transporter (includes Mode in Boxes 1-5 below) ☐ 96. Transfer, Storage, Disposal (at treatment) ☐ 97. Hazardous Waste Fuel ☐ 98. Other (Specify in Box 1-5 below) ☐

99. Generator (includes Mode in Boxes 1-5 below) ☐ 100. Transporter (includes Mode in Boxes 1-5 below) ☐ 101. Transfer, Storage, Disposal (at treatment) ☐ 102. Hazardous Waste Fuel ☐ 103. Other (Specify in Box 1-5 below) ☐

104. Generator (includes Mode in Boxes 1-5 below) ☐ 105. Transporter (includes Mode in Boxes 1-5 below) ☐ 106. Transfer, Storage, Disposal (at treatment) ☐ 107. Hazardous Waste Fuel ☐ 108. Other (Specify in Box 1-5 below) ☐

109. Generator (includes Mode in Boxes 1-5 below) ☐ 110. Transporter (includes Mode in Boxes 1-5 below) ☐ 111. Transfer, Storage, Disposal (at treatment) ☐ 112. Hazardous Waste Fuel ☐ 113. Other (Specify in Box 1-5 below) ☐

114. Generator (includes Mode in Boxes 1-5 below) ☐ 115. Transporter (includes Mode in Boxes 1-5 below) ☐ 116. Transfer, Storage, Disposal (at treatment) ☐ 117. Hazardous Waste Fuel ☐ 118. Other (Specify in Box 1-5 below) ☐

119. Generator (includes Mode in Boxes 1-5 below) ☐ 120. Transporter (includes Mode in Boxes 1-5 below) ☐ 121. Transfer, Storage, Disposal (at treatment) ☐ 122. Hazardous Waste Fuel ☐ 123. Other (Specify in Box 1-5 below) ☐

124. Generator (includes Mode in Boxes 1-5 below) ☐ 125. Transporter (includes Mode in Boxes 1-5 below) ☐ 126. Transfer, Storage, Disposal (at treatment) ☐ 127. Hazardous Waste Fuel ☐ 128. Other (Specify in Box 1-5 below) ☐

129. Generator (includes Mode in Boxes 1-5 below) ☐ 130. Transporter (includes Mode in Boxes 1-5 below) ☐ 131. Transfer, Storage, Disposal (at treatment) ☐ 132. Hazardous Waste Fuel ☐ 133. Other (Specify in Box 1-5 below) ☐

134. Generator (includes Mode in Boxes 1-5 below) ☐ 135. Transporter (includes Mode in Boxes 1-5 below) ☐ 136. Transfer, Storage, Disposal (at treatment) ☐ 137. Hazardous Waste Fuel ☐ 138. Other (Specify in Box 1-5 below) ☐

139. Generator (includes Mode in Boxes 1-5 below) ☐ 140. Transporter (includes Mode in Boxes 1-5 below) ☐ 141. Transfer, Storage, Disposal (at treatment) ☐ 142. Hazardous Waste Fuel ☐ 143. Other (Specify in Box 1-5 below) ☐

144. Generator (includes Mode in Boxes 1-5 below) ☐ 145. Transporter (includes Mode in Boxes 1-5 below) ☐ 146. Transfer, Storage, Disposal (at treatment) ☐ 147. Hazardous Waste Fuel ☐ 148. Other (Specify in Box 1-5 below) ☐

149. Generator (includes Mode in Boxes 1-5 below) ☐ 150. Transporter (includes Mode in Boxes 1-5 below) ☐ 151. Transfer, Storage, Disposal (at treatment) ☐ 152. Hazardous Waste Fuel ☐ 153. Other (Specify in Box 1-5 below) ☐

154. Generator (includes Mode in Boxes 1-5 below) ☐ 155. Transporter (includes Mode in Boxes 1-5 below) ☐ 156. Transfer, Storage, Disposal (at treatment) ☐ 157. Hazardous Waste Fuel ☐ 158. Other (Specify in Box 1-5 below) ☐

159. Generator (includes Mode in Boxes 1-5 below) ☐ 160. Transporter (includes Mode in Boxes 1-5 below) ☐ 161. Transfer, Storage, Disposal (at treatment) ☐ 162. Hazardous Waste Fuel ☐ 163. Other (Specify in Box 1-5 below) ☐

164. Generator (includes Mode in Boxes 1-5 below) ☐ 165. Transporter (includes Mode in Boxes 1-5 below) ☐ 166. Transfer, Storage, Disposal (at treatment) ☐ 167. Hazardous Waste Fuel ☐ 168. Other (Specify in Box 1-5 below) ☐

169. Generator (includes Mode in Boxes 1-5 below) ☐ 170. Transporter (includes Mode in Boxes 1-5 below) ☐ 171. Transfer, Storage, Disposal (at treatment) ☐ 172. Hazardous Waste Fuel ☐ 173. Other (Specify in Box 1-5 below) ☐

174. Generator (includes Mode in Boxes 1-5 below) ☐ 175. Transporter (includes Mode in Boxes 1-5 below) ☐ 176. Transfer, Storage, Disposal (at treatment) ☐ 177. Hazardous Waste Fuel ☐ 178. Other (Specify in Box 1-5 below) ☐

179. Generator (includes Mode in Boxes 1-5 below) ☐ 180. Transporter (includes Mode in Boxes 1-5 below) ☐ 181. Transfer, Storage, Disposal (at treatment) ☐ 182. Hazardous Waste Fuel ☐ 183. Other (Specify in Box 1-5 below) ☐

184. Generator (includes Mode in Boxes 1-5 below) ☐ 185. Transporter (includes Mode in Boxes 1-5 below) ☐ 186. Transfer, Storage, Disposal (at treatment) ☐ 187. Hazardous Waste Fuel ☐ 188. Other (Specify in Box 1-5 below) ☐

189. Generator (includes Mode in Boxes 1-5 below) ☐ 190. Transporter (includes Mode in Boxes 1-5 below) ☐ 191. Transfer, Storage, Disposal (at treatment) ☐ 192. Hazardous Waste Fuel ☐ 193. Other (Specify in Box 1-5 below) ☐

194. Generator (includes Mode in Boxes 1-5 below) ☐ 195. Transporter (includes Mode in Boxes 1-5 below) ☐ 196. Transfer, Storage, Disposal (at treatment) ☐ 197. Hazardous Waste Fuel ☐ 198. Other (Specify in Box 1-5 below) ☐

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Name and Official Title (Type or Print)

Date Signed

XI. Comments

NOTE: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for address.)

```

*****
*                               RCRIS: Notification View Screen 2 of 6
*****
*EPA Id: WVD082243502      Other Id:                               Merge Send: Y
*Date Received(MMDDYY): 042881      Source( N/E/S ): N Non-Notifier Flag:
*Date Acknowledged (MMDDYYYY): 04221992      Send Acknowledgement:
*Name of Installation: SCHULLER INTERNATIONAL INC
*                               Installation Location Address
*Streets: 2905 3RD AVENUE
*City: VIENNA                               State: WV      Zip: 26105
*County Code: 107      County Name: WOOD
*                               Installation Mailing Address
*Streets: PO BOX 5128
*City: VIENNA                               State: WV      Zip: 26105
*                               Contact Information
*   Last Name      First Name      Title      Phone      Address(M,L,O)
* MASON            ROBERT          PLANT ENG   3042959361   L
*Streets: 2905 3RD AVENUE
*City: VIENNA                               State: WV      Zip: 26105
*Land Type: P
*****
* Enter-Continue      F1-Previous Screen      F3-Exit
*****

```

```

*****
*                               RCRIS: Notification View Screen 3 of 6
*****
* EPA Id: WVD082243502      Other Id:                               Source: N
*
* Owner Sequence Number: 1
* Ownership: MANVILLE CORPORATION                               Type of Owner: P
*
*                               Address of Owner/Operator
*
*   Street: 717 17TH STREET
*   City: DENVER                               State: CO Zip Code 80202
*   Phone: 3039782000
*
* Current/Previous Indicator: CO      Change Date(MMDDYY):
*
*
*****
* Enter-Continue      F1-Previous Screen      F3-Exit      F5-Curr. Owner
* F6-Prev. Owner      F8-Help      F9-First      F10-Next
*****

```

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*****
*                               RCRIS: Notification View Screen 4A of 6
*****
* EPA Id: WVD082243502      Other Id:                               Source: N
*
*   Waste      Type      RCRA Reg      RCRA Reg      State Reg      State Reg
*   Activity:      Status      Desc      Status      Desc
*
* HW Generator      1      R

```

- * HW TSD
- * HW Transporter
- * Mode of
- * Transportation: Air Rail Highway Water
- * Other
- * HW Burner/Blender
- * NHW Used Oil Recycler
- * Undergrround Injection Control:
- * Recycler:



**ACKNOWLEDGEMENT OF NOTIFICATION
OF REGULATED WASTE ACTIVITY
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

WVD082243502

07/23/97

INSTALLATION ADDRESS

JOHNS MANVILLE CORP
PO BOX 5130
VIENNA, WV 261055130
RICHARD QUARANTA SR ENVIRON
2905 3RD AVE
VIENNA, WV 261055130



ACKNOWLEDGEMENT OF NOTIFICATION
OF REGULATED WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Regulated Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

WVD082243502
SCHULLER INTERNATIONAL INC
2905 3RD AVENUE
VIENNA , WV 26105
ROBERT MASON PLANT ENG

INSTALLATION ADDRESS

2905 3RD AVENUE
VIENNA , WV 26105

Date Received
(For Official Use Only)

SCHULLER INTERNATIONAL RECEIVED

2905 3RD AVENUE

APR 20 1992

VIENNA

WV 26105-5130

107 WOOD

P O BOX 5130

VIENNA

WV 26105-5130

MASON

ROBERT

PLANT MANAGER

304-295-9361

X

City or Town

State

ZIP Code

VII Ownership (See instructions)

A Name of Installation's Legal Owner

MANVILLE CORPORATION

Street, P.O. Box, or Route Number

717 17TH STREET

City or Town

State

ZIP Code

DENVER

CO

80202

Phone Number (area code and number)

303-978-2000

Land Type

C Owner Type

D Change of Owner Indicator

(Date Changed) Month Day Year

P

P

Yes

No

X



STATE OF WEST VIRGINIA
DEPARTMENT OF COMMERCE, LABOR AND ENVIRONMENTAL RESOURCES
WASTE MANAGEMENT SECTION

1356 Hansford Street
Charleston, West Virginia 25301
Telephone (304)348-5929

December 17, 1990

GASTON CAPERTON
Governor

J. EDWARD HAMRICK II
Director

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Manville Sales Corporation
P.O. Box 5130
Vienna, West Virginia 26105-0130

ATTN: Christine Burkett, Environmental Specialist

Dear Ms. Burkett:

Enclosed is a copy of the **"Compliance Evaluation Inspection" (CEI) Report** completed on your facility by representatives of the Chief of the Waste Management Section. This report is based on the inspection conducted on December 6, 1990.

Accompanying this report you will find a **Notice of Violation (NOV)** for those violations detected during the course of this inspection. The Enforcement Office of this Section and the United States Environmental Protection Agency have been notified so that these violations have become a permanent addition to the compliance history of this facility.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or the attached report, please feel free to contact this office at (304) 348-5989.

Sincerely,

H. Michael Dorsey, Assistant Chief
Compliance Monitoring and Enforcement
Office

HMD/kw
Enclosures

cc: ~~Janemarie Newton, U.S. EPA Region III~~
Administrative Enforcement
Dale Gable, Inspector
Subash Puri, Permitting Section
File

INSPECTION FACT SHEET

COMPANY NAME: Manville Sales Corporation

I. D. #: WVD082243502

MAILING ADDRESS: P. O. Box 5130
Vienna, WV 26105-0130

TYPE OF FACILITY: Generator

LOCATION: 2905 Third Avenue
Vienna, WV

COUNTY: Wood

COMPANY CONTACT: Christine Burkett -
Environmental Specialist

HANDLING CODES: S01

PHONE: (304) 295-9361

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act,
Chapter 20-5E; West Virginia Administrative
Regulations for Chapter 20-5E; and/or 40 CFR
§265.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled; where it goes)

D001	-	Waste petroleum naptha
F003/F005	-	Waste paint related materials.
D007	-	EP dust, Spent chrome brick, Stack drain material, Offtake material.
D005	-	Waste barium carbonate.

DATE INSPECTED: December 6, 1990

 X VIOLATIONS

INSPECTORS: (1) Dale Gable
(2) Kevin Campbell
(3)

 NO VIOLATIONS

DATE PREPARED: December 6, 1990

PREPARED BY: Dale Gable

Inspection Report

SUBJECT: Compliance Evaluation Inspection of
Manville Sales Corporation of Vienna, WV

DATE INSPECTED: December 6, 1990

INSPECTED BY: Dale Gable, WV DNR/WMS
Kevin Campbell, WV DNR/WMS

DATE PREPARED: December 6, 1990

PREPARED BY: Dale Gable

On December 6, 1990, this inspector and Kevin Campbell, Inspector, conducted a Compliance Evaluation Inspection of Manville Sales Corporation of Vienna, WV. Upon our arrival at 9:52 a.m., for this unannounced inspection, we were met by Ms. Christine Burkett, Environmental Specialist and later by Mr. Bob Mason, Plant Manager and Mr. Steve Meyer, Plant Engineer.

Upon presentation of appropriate credentials, I advised the representatives of our authority as representatives of the Chief of the Waste Management Section pursuant to Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act. The representatives were informed that this inspection would emphasize the company's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

Manville Sales Corporation of Vienna, WV manufactures glass marbles that are subsequently utilized in the production of fiberglass insulation. The hazardous wastes which are generated by the facility include the following:

- 1.) Electrostatic Precipitator (EP) dust, Furnace Stack Drain Material, Offtake Material (All D007) - 53,615 Kg generated in 1990 thus far.
- 2.) Spent Chrome Brick (D007) - 120,185 Kg generated in 1990.
- 3.) Waste barium carbonate (D005) - 22.6 Kg/Mo.

4.) Waste paint related material (F003/F005) - 30 Kg/Month.

5.) Waste petroleum naptha (D001) - 6441 Kg generated in 1990 - 536.75 Kg/Month.

The D007 - chrome containing wastes (1 & 2 above) are all generated as a result of the use or contact with chrome containing refractory brick used in the glass furnaces. However, in September and October of 1990, all chrome containing refractory brick was removed from the glass furnaces and replaced with a non-chrome refractory brick. According to Ms. Burkett, when enough EP dust and stack drain material are accumulated for samples to be taken, a complete RCRA metals analysis for EP Toxicity and TCLP will be run. The frequency of future sampling will depend on the initial sample results. If EP Toxicity and TCLP limits for the RCRA metals are not exceeded, the facility will have successfully deleted the D007 waste stream.

The waste barium carbonate (D005) is generated from spills of the material during special batch operations. Waste paint related material (F003, F005), including spent solvents and waste paint, is generated in the facility paint shop. Waste petroleum naptha (D001) is generated in Safety-Kleen basins throughout the facility.

Following a brief initial meeting with the facility representatives, we began the physical inspection of the facility. In the two areas which EP dust is stored, the hazardous waste storage containers were found to be in good condition, labeled and dated properly. Inspection logs for the hazardous waste storage areas were found to be in order.

In the paint room, one container of F003, F005, waste paint related materials, was stored open. The container was labeled as "Hazardous Waste."

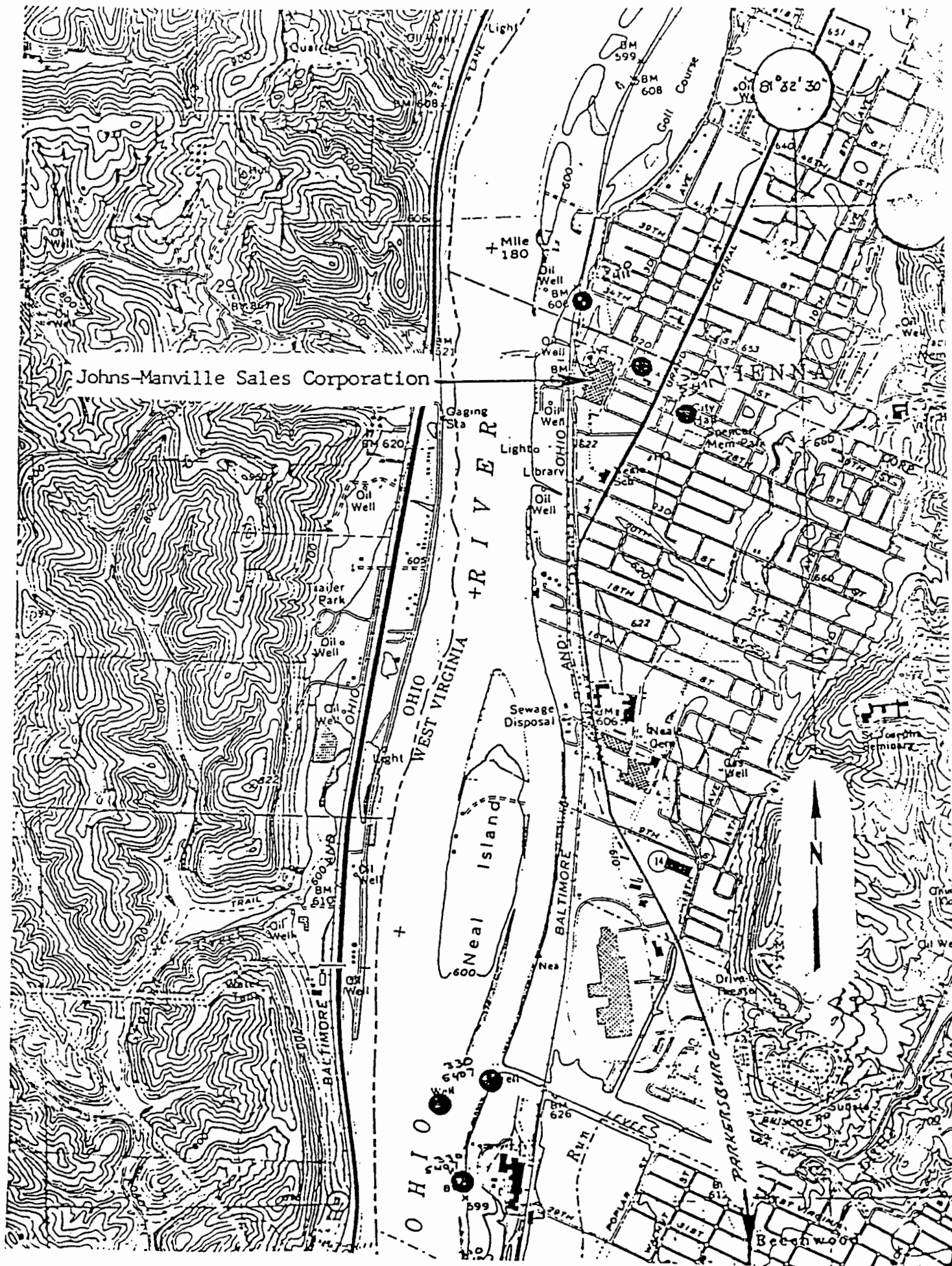
In the Electrostatic Precipitator (EP) dust accumulation area, three (3) 55-gallon drums of EP dust contaminated sandblasting agent and one (1) 55-gallon drum of EP dust contaminated clothing were stored without an accumulation start date. The containers were labeled as "Hazardous Waste" and were in good condition.

Following the physical inspection of the facility, we returned to Ms. Burkett's office where hazardous waste shipping manifests, the facility emergency contingency plan and the 1989 Annual Hazardous Waste report were all examined and found to be complete and in order. We then informed Ms. Burkett, Mr. Mason and Mr. Meyer of all violaton conditions found during the inspection in a brief meeting. After the meeting we thanked the facility representatives for their cooperation and departed the facility at 11:11 a.m.

Compliance Evaluation

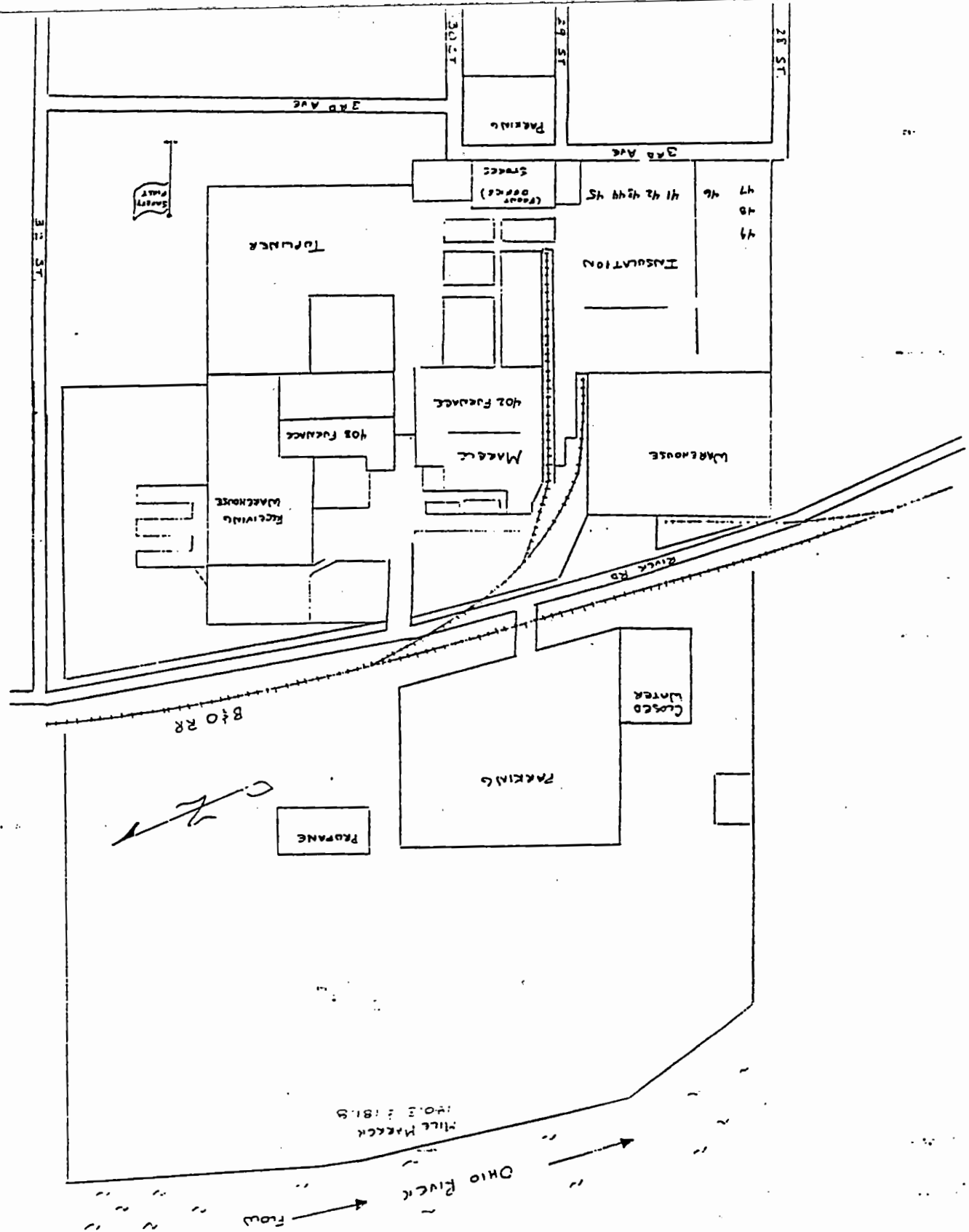
Refer to "Notice of Violation" in the attachments of this report.

DG/slm



PARKERSBURG, W. VA. - OHIO

MANVILLE Sales Corp FABRICATED PLANT VIENNA, WV



DIVISION OF NATURAL RESOURCES
Waste Management Section
6321 EMERSON AVE.
PARKERSBURG, WV 26101
NOTICE OF VIOLATION

Date: 12-7-90

Time: 0931

Issued to: Manville Sales Corporation

EPA I.D.#: WVDO82243502

Facility Mailing Address: P.O. Box 5130

Vienna, WV 26105-0130

Facility Representative: Christine Burkett, Environmental Specialist

On the date and time specified, an authorized agent of the Chief of the Waste Management Section conducted an inspection of the facility described above in accordance with West Virginia Code, Chapter 20, Article 5E and/or an Order or Permit issued pursuant to §20-5E. During that inspection the following violation(s) were detected:

1. A. (Regulation) 40 CFR § 265.173(a) as referenced by 6.3.5.A.1 of WVHWMR's
B. (Facts) The facility has stored hazardous waste in an open container.
2. A. 6.3.5.A.2 of the WVHWMR's
B. The date upon which each period of accumulation begins is not clearly marked on each hazardous waste container.
3. A. _____
B. _____
4. A. _____
B. _____

In order to attain compliance with the cited Code and/or Regulations, you must perform the following remedial actions:

1. Immediately close all containers holding hazardous waste unless it is necessary to add or remove waste.
2. Immediately mark or label each hazardous waste storage or accumulation container with an accumulation start date.
3. Notify Dale Gable, Inspector, in writing, within 15 days of the receipt of this notice of all remedial actions taken.
4. _____

A copy of this Notice of Violation will be forwarded to the Enforcement Office of the Waste Management Section. The issuance of this Notice may result in an administrative civil penalty being levied in accordance with West Virginia Code §20-5E-16(a).

* WVHWMR's = West Virginia Hazardous Waste Management Regulations

Issued By: Dale Gable

Title: Environmental Inspector



WVD 08 44 200 ✓
John MANVILLE Sales CORP
Gen

January 18, 1990

H. Michael Dorsey
Acting Section Leader Compliance Monitoring Section
West Virginia Department of Natural Resources
Division of Waste Management
1260 Greenbrier Street
Charleston, WV 25311

Dear Mr. Dorsey:

In response to the compliance evaluation inspection report dated December 28, 1989, this facility would like to inform you of the actions taken to address the item of noncompliance cited during that inspection.

The item cited during the inspection was an open bin that contained approximately 50 pounds of stack drain. The bin also contained batch dust and floor sweepings. The material was drummed and labeled as hazardous waste and moved to the proper storage area on December 7, 1989, immediately following the inspection. The following actions have been taken to insure that the noted problem does not reoccur.

Reestablished the procedure for handling stack drain. (See attached)

In addition to the current hazardous waste inspection performed daily by the supervisors, weekly unannounced audits of the hazardous waste storage areas will be held and reports issued. These audits will be held by the environmental specialist and the plant superintendent.

Hoppers will be modified and designed especially for the stack drain material.

All regulations will be followed.

If after reviewing this response you have any questions or concerns, please feel free to contact me at 304-295-9361.

Sincerely,

Christine L. Burkett

Christine L. Burkett
Environmental Specialist

/nk

cc: ~~Doug Donor, EPA Region III~~
~~Enforcement Section~~
Dale Gable, Inspector
Bob Mason, Plant Manager
Rich Johanson-R-17

MANVILLE SALES CORP
RECEIVED

JAN 23 1990

December 8, 1989

SUPERVISORS NOTICE

The cullet tubs being used for stack drain by hot repairman on 402 must be covered before they go to 22 building. When a tub is full, cover with one of the black plastic bags in batch house and put a hazardous waste label on top of cover. If tub has hot stack drain in it let cool before covering, but must be covered and put in 22 building within 8 hours after removing from stack area.

Record date, time and shift removed from stack area, also date, time and shift tub is covered if done on next shift.

/kw



STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

1260 Greenbrier Street
Charleston, West Virginia 25311

December 28, 1989

GASTON CAPERTON
Governor

J. EDWARD HAMRICK III
Director

LARRY W. GEORGE
Deputy Director

Ms. Christine Burkett
Manville Sales Corporation
P. O. Box 5130
Vienna, West Virginia 26105-0130

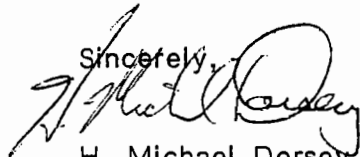
Dear Ms. Burkett:

Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted on December 7, 1989.

Please refer to the "Compliance Evaluation" section of the report for those violations discovered during the course of this inspection.

A copy of this report has been referred to the Enforcement Section of this Division for further action, and also, a copy is being transmitted to the United States Environmental Protection Agency (U. S. EPA), Region III, Philadelphia, Pennsylvania.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at 304/348-5935.

Sincerely,


H. Michael Dorsey
Acting Section Leader
Compliance Monitoring Section

HMD/pgd
Enclosure

cc: Doug Donor, EPA, Region III
Enforcement Section
Dale Gable, Inspector

JAN 25 1990

INSPECTION FACT SHEET

COMPANY NAME: Manville Sales Corp.

I. D. #: WVD082243502

MAILING ADDRESS: P. O. Box 5130
Vienna, WV 26105-0130

TYPE OF FACILITY: Generator

LOCATION: 2905 Third Avenue
Vienna, WV 26105

COUNTY: Wood

COMPANY CONTACT: Christine Burkett
Environmental Specialist

HANDLING CODES: S01

PHONE: (304) 295-9361

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act,
Chapter 20-5E; West Virginia Administrative
Regulations for Chapter 20-5E; and/or 40 CFR
§265.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled; where it goes)

D001
D007
F003
F005

DATE INSPECTED: December 7, 1989

X VIOLATIONS

INSPECTORS: (1) Dale Gable, WV DNR/DWM
(2) Kevin Campbell, WV DNR/DWM
(3)

____ NO VIOLATIONS

DATE PREPARED: December 8, 1989

PREPARED BY: Dale Gable

INSPECTION REPORT

SUBJECT: Compliance Evaluation Inspection of
Manville Sales Corporation of Vienna, WV

DATE INSPECTED: December 7, 1989

INSPECTED BY: Dale Gable, WV DNR/DWM
Kevin Campbell, WV DNR/DWM

DATE PREPARED: December 8, 1989

PREPARED BY: Dale Gable

On December 7, 1989, this inspector, and Kevin Campbell, Inspector, conducted a Compliance Evaluation Inspection (CEI) of Manville Sales Corp. of Vienna, WV. Upon our arrival at 9:45 a.m., for this unannounced inspection, we were met by Ms. Christine Burkett, Environmental Specialist.

Upon presentation of appropriate credentials, we advised the Ms. Burkett of our authority as representatives of the Chief of the Division of Waste Management pursuant to Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act. Ms. Burkett was informed that this inspection would emphasize the company's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

Manville Sales Corp., of Vienna, WV is a facility which manufactures glass marbles that are utilized in the production of fiberglass insulation. The hazardous wastes which are generated by the facility include the following:

- 1) Electrostatic Precipitator (EP) dust; Furnace Stack Drain material; Spent Chrome brick (D007).
- 2) Waste Paint related material (F003, F005).
- 3) Waste Petroleum Naptha (D001).

Chrome-containing wastes are produced as a result of the use of or contact with chrome refractory brick in the glass furnaces. Waste paint related materials are generated in the facility paint shop. The waste petroleum naptha is generated through parts cleaning operations in Safety-Kleen basins throughout the facility. The total amount of hazardous wastes generated by the facility exceeds 1,000 kg/month, placing Manville Sales in the Generator classification.

During the office portion of the inspection, hazardous waste shipping manifests, training logs, contingency plans and inspection logs were examined and found to be in order.

Following the paperwork examination, we proceeded to the hazardous waste drum storage area. All containers were in good condition, labeled as "Hazardous Waste," stored for under 90 days and marked with an accumulation start date. While enroute to the satellite accumulation area for stack drain material (D007), we discovered one open bin of stack drain material, batch dust and trash stored in building 22. The open bin was neither labeled as "Hazardous Waste," nor was it marked with an accumulation date. Ms. Burkett indicated that she would immediately have the material drummed up, labeled properly and placed in the hazardous waste drum storage area. No other areas of violation were noted during the physical inspection. After a brief meeting in Ms. Burkett's office, we thanked her for her cooperation and assistance, then departed the facility at 10:57 a.m.

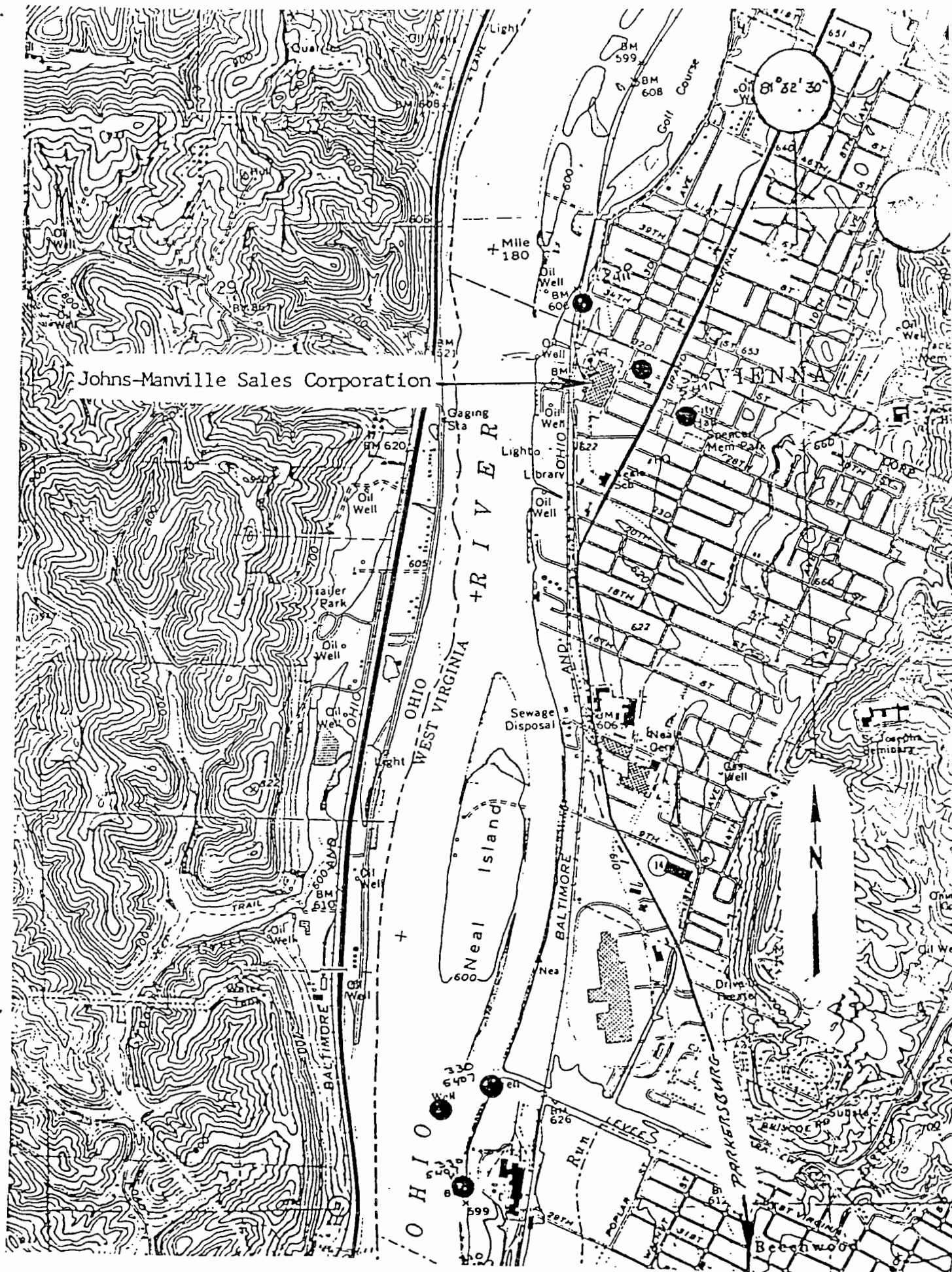
Compliance Evaluation

1. The facility has not labeled each container holding hazardous waste with the words "Hazardous Waste" in violation of Section 6.3.5.a.4. of the West Virginia Hazardous Waste Management Regulations (hereinafter the "Regulations").

2. The date upon which each period of accumulation begins is not marked on each container, in violation of Section 6.3.5.a.2. of the Regulations.

3. All containers holding hazardous waste are not kept closed during storage, in violation of 40 CFR 265.173 a, as referenced by Section 6.3.5.a.1. of the Regulations.

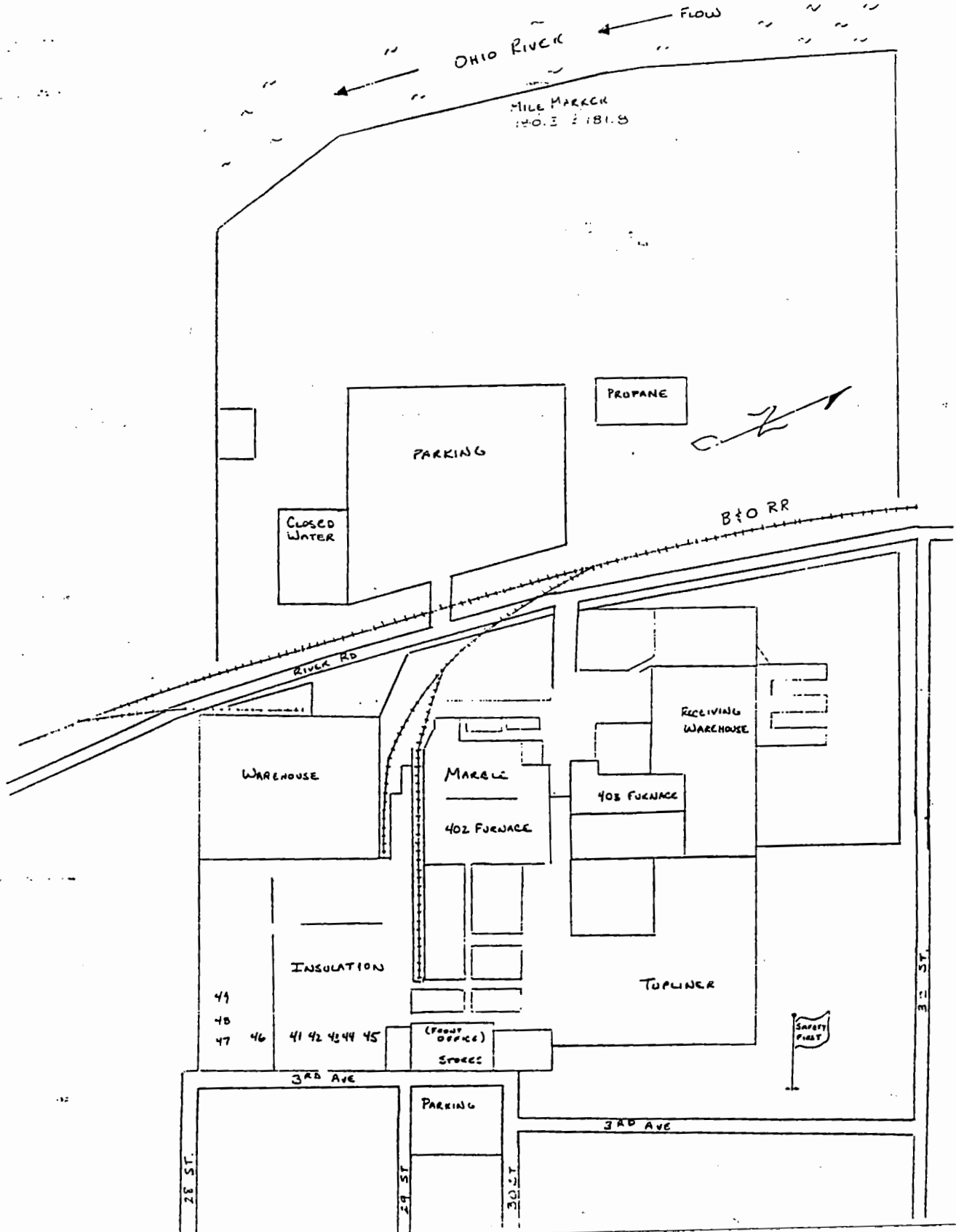
DG/sm



PARKERSBURG, W. VA. - OHIO

SE/4 PARKERSBURG

MANVILLE SALES CORP
FARKERSEURG PLANT
VIENNA, WV





WV/00243502
Gen

STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1260 Greenbrier Street
Charleston, West Virginia 25311

ARCH A. MOORE, JR.
Governor

RONALD R. POTESTA
Director

ROBERT K. PARSONS
Deputy Director

John-Manville

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

July 26, 1988

Mr. Kevin W. Sprague
Manville Sales Corporation
P. O. Box 5130
Vienna, West Virginia 26105-0130

Dear Mr. Sprague:

Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted on June 28, 1988.

In this report, please refer to the "Compliance Evaluation" section for those violations detected during the course of this inspection and "Notice of Non-Compliance" for the actions taken by the Enforcement Unit of this Division.

An additional copy of this report and "Notice of Non-Compliance" will be transmitted to the United States Environmental Protection Agency (U. S. EPA), Region III, Philadelphia, Pennsylvania.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at 304/348-5929.

WV COMPLIANCE SECTION
RECEIVED
AUG 17 1988

Sincerely,

DIVISION OF WASTE MANAGEMENT

Ava C. Zeitz
Ava C. Zeitz
Compliance Monitoring and
Enforcement Section Leader

ACZ/pd
Enclosure

cc: Doug Donor, EPA, Region III
John Meeks, Enforcement Unit
Dale Gable, Inspector

Date Gable, Inspector

NOTICE OF NON-COMPLIANCE

Manville Sales Corporation
Vienna, WV
WVD082243502

On June 28, 1988 authorized representatives of the Chief of the Division of Waste Management conducted a Compliance Evaluation Inspection at your Vienna, West Virginia facility. During the inspection the following items of non-compliance were noted:

1. The facility does not presently maintain a written description of the type and amount of introductory and continuing training for personnel that are involved with hazardous waste management, in violation of 40 C.F.R. § 265.16(d)(3) as referenced by Section 6.3.5.a.5 of the West Virginia Hazardous Waste Management Regulations (hereinafter the "Regulations").
2. The facility has failed to perform a hazardous waste determination on all wastes, in violation of Section 6.1.1 of the Regulations.
3. The facility does not have adequate aisle space to allow the unobstructed movement of personnel and equipment during emergencies in violation of 40 C.F.R. § 265.35 as referenced by Section 6.3.5.a.5 of the Regulations.
4. The facility has not submitted a copy of their contingency plan to local police, fire departments, hospitals and emergency response teams, in violation of 40 C.F.R. § 265.53 as referenced by Section 6.3.5.a.5 of the Regulations.

This will serve as a **Notice of Non-Compliance** of the provisions of Chapter 20, Article 5E of the Code of West Virginia. In order to achieve compliance in the areas where the violations were observed, Manville Sales Corporation must perform the following remedial actions:

1. Upon receipt of this letter, ensure that adequate aisle space exists to allow unobstructed movement in an emergency.
2. Within 30 days of receipt of this letter:
 - a. establish and maintain written description of type and amount of introductory and continuing training for personnel involved in hazardous waste management;

- b. submit copies of the facility's contingency plan to the appropriate local agencies;
 - c. complete hazardous waste determinations for all wastes at the facility.
3. Within 45 days of receipt of this letter, provide written documentation to this office of the above remedial actions, including results of the waste determinations.

If you have any questions concerning this matter, please contact Mr. John Meeks of the Enforcement Unit at 304/348-2745.

INSPECTION FACT SHEET

COMPANY NAME: Manville Sales Corporation

I. D. #: WVD082243502

MAILING ADDRESS: P. O. Box 5130
2905 3rd Avenue

TYPE OF FACILITY: Generator

LOCATION: Vienna, WV 26105-0130

COUNTY: Wood

COMPANY CONTACT: Kevin W. Sprague

HANDLING CODES: S01

PHONE: (304) 295-9361

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act,
Chapter 20-5E; West Virginia Administrative
Regulations for Chapter 20-5E; and/or 40 CFR 265.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled; where it goes)

D001, D006*, D007, D010*, F003, F005

*Trace amounts in D007 waste

DATE INSPECTED: June 28, 1988

INSPECTORS: (1) Dale Gable, DNR/DWM
(2) Kevin Campbell, DNR/DWM
(3)

DATE PREPARED: June 30, 1988

PREPARED BY: Dale Gable

INSPECTION REPORT

SUBJECT: Compliance Evaluation Inspection (CEI) -
Manville Sales Corporation (WVD082243502), Vienna, WV

INSPECTORS: Dale Gable, WV DNR/DWM
Kevin Campbell, WV DNR/DWM

DATE INSPECTED: June 28, 1988

DATE PREPARED: June 30, 1988

PREPARED BY: Dale Gable

On June 28, 1988, this inspector and Kevin Campbell, Inspector, WV DNR/DWM, conducted a Compliance Evaluation Inspection of Manville Sales Corporation. Upon our arrival at 9:23 a.m., for this unannounced inspection, we were met by Kevin W. Sprague, Environmental Coordinator.

Upon presentation of appropriate credentials, we advised the official of our authority as representatives of the Chief of the Division of Waste Management pursuant to Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act. The facility representative was informed that this inspection would emphasize the company's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

The Manville Sales Corporation, Vienna, WV, is a facility dedicated to the production of glass marbles which are melted to produce fiberglass insulation material. The hazardous wastes which are generated at the facility include:

- D001; Waste Petroleum Naptha
- F003, F005; Waste Paint Related Material containing Acetone, MEK, MIBK, Tolulene and Xylene
- D007; Electrostatic Precipitator Dust, Furnace Stack Drain Material, Furnace Chromium Brick
- D006 & D010; Trace amounts of Cadmium and Selenium in D007 waste

The waste petroleum naptha is generated through parts cleaning operations in Safety-Kleen basins throughout the facility. All of the chrome containing wastes

are produced as a result of the use of chrome refractory brick in the glass furnaces which imparts an E.P. toxic character to the Electrostatic Precipitator dust and the furnace stack drain material. A large percentage of this material is recycled by being fed back into the furnaces and remelted for glass recovery. Also, periodically, the glass furnaces are rebuilt to install new refractory bricks. The old chrome bricks are currently disposed of as an E.P. toxic hazardous waste. The facility is seeking a firm which would recycle the used chrome brick.^{PP} During the office portion of the inspection, the checklists for Generators and Use and Management of Containers were completed. The facility is currently in the process of developing a RCRA training program for employees. According to Kevin Sprague, employees involved directly with hazardous waste are given on-the-job training in hazardous waste management procedures. The Contingency Plan, while in place, has not been submitted, formally, to local police, fire departments and hospitals; however Mr. Sprague has spoken to these authorities informally and will submit copies of the plan to them in the near future. The RCRA training program, nearly complete, will be given to employees in a formal classroom setting. To date, employees have not had documented hazardous waste management training. NOTE: According to Mr. Sprague, Manville Sales Corporation had been operating, up until a few months ago, on the assumption that through recycling efforts, they would become a Small Quantity Generator and thus avoid the Generator requirements. Since Generator status is now a certainty, Manville and Mr. Sprague are making a good effort to insure compliance.

Also during the office interview with Mr. Sprague, he voluntarily informed us of approximately seventy (70) drums of unknown material which have been stored in the facility warehouse. Most of these drums are believed to be waste oil but several may contain used solvents. Mr. Sprague has been in contact with the Inland Waters Company of Michigan - MID000820365, who will be sampling these unknown drums. We advised Mr. Sprague that these determinations should be made as quickly as possible and he agreed.

and he agreed

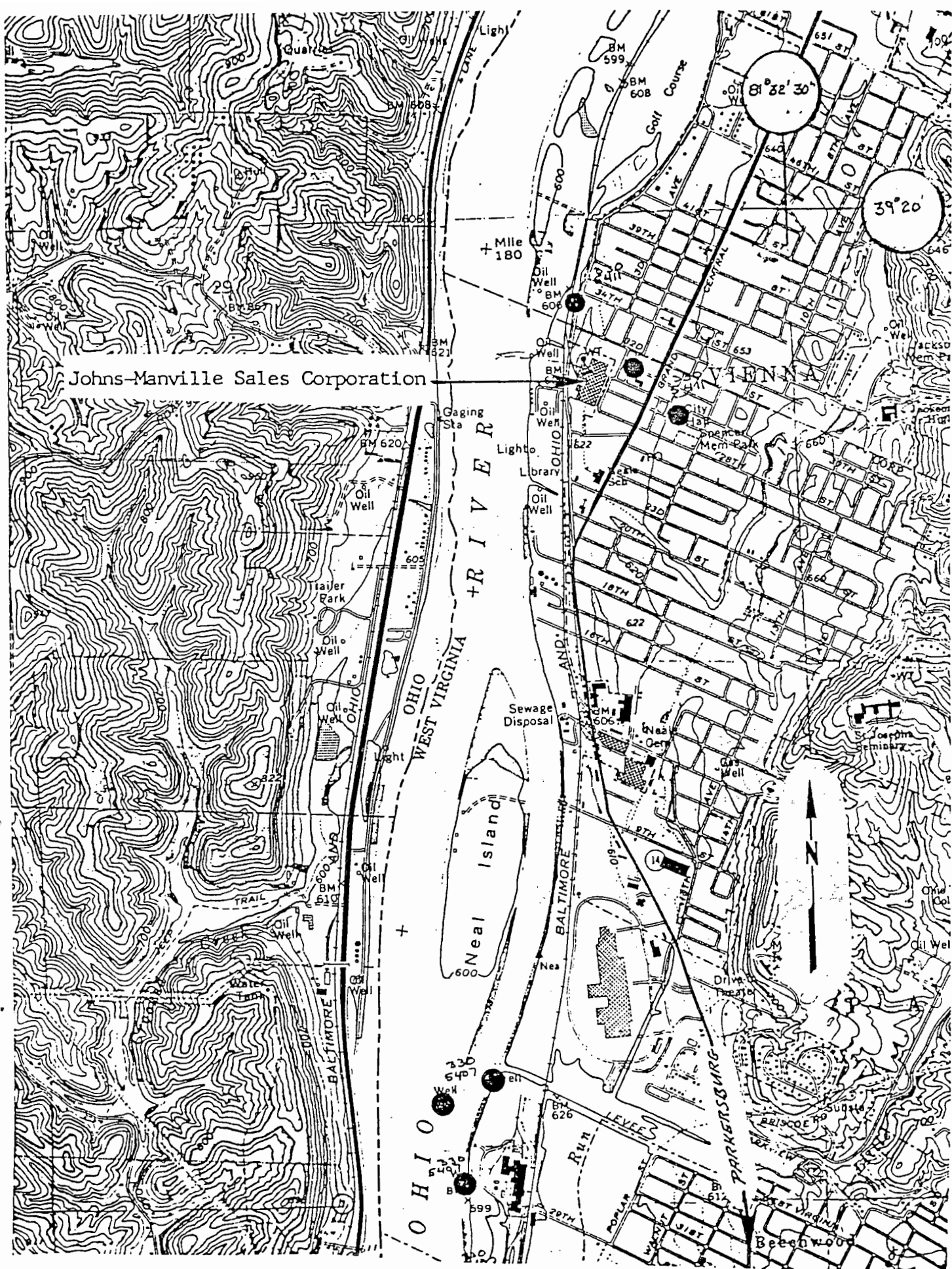
Shipping manifests were inspected and found to be satisfactory. See attachment "C" for example manifests for each waste stream and/or transporter and disposal company.

Following the completion of the office portion of our inspection, a facility tour and inspection was conducted. In the hazardous waste drum storage area, it was noted that there was not adequate aisle space between rows of drums. Mr. Sprague said that this problem would be corrected immediately. We then inspected the area of the warehouse in which the drums of unknowns are stored. These drums have been in storage for well over the 90-day limit for hazardous waste, but no determinations have been made as to their content. These determinations will be made shortly as mentioned earlier in this report.

At this time, we concluded the inspection, thanked Mr. Sprague for his cooperation and assistance, then departed the facility at 12:30 p.m.

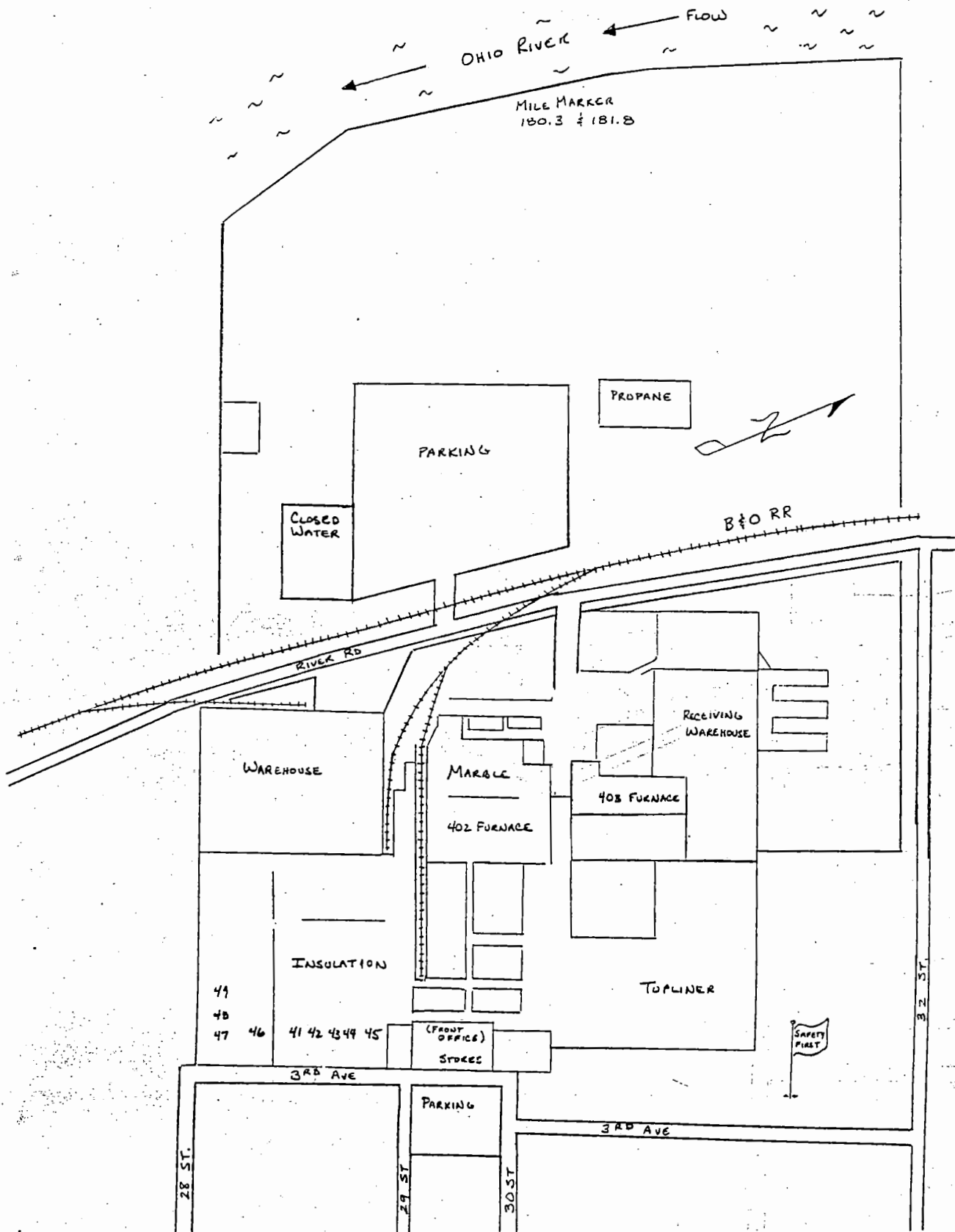
Compliance Evaluation

1. The facility does not presently maintain a written description of the type and amount of introductory and continuing training for personnel that are involved with hazardous waste management in violation of 40 CFR § 265.16 (d)(3) as referenced by Section 6.3.5.a.5 of the West Virginia Hazardous Waste Management Regulations (hereinafter the "Regulations").
2. The facility has failed to perform a hazardous waste determination on all wastes in violation of Section 6.1.1 of the Regulations.
3. The facility does not have adequate aisle space to allow the unobstructed movement of personnel and equipment during emergencies in violation of 40 CFR § 265.35 as referenced by Section 6.3.5.a.5 of the Regulations.
4. The facility has not submitted a copy of their Contingency Plan to local police, fire departments, hospitals and emergency response teams in violation of 40 CFR § 265.53 as referenced by Section 6.3.5.a.5 of the Regulations.

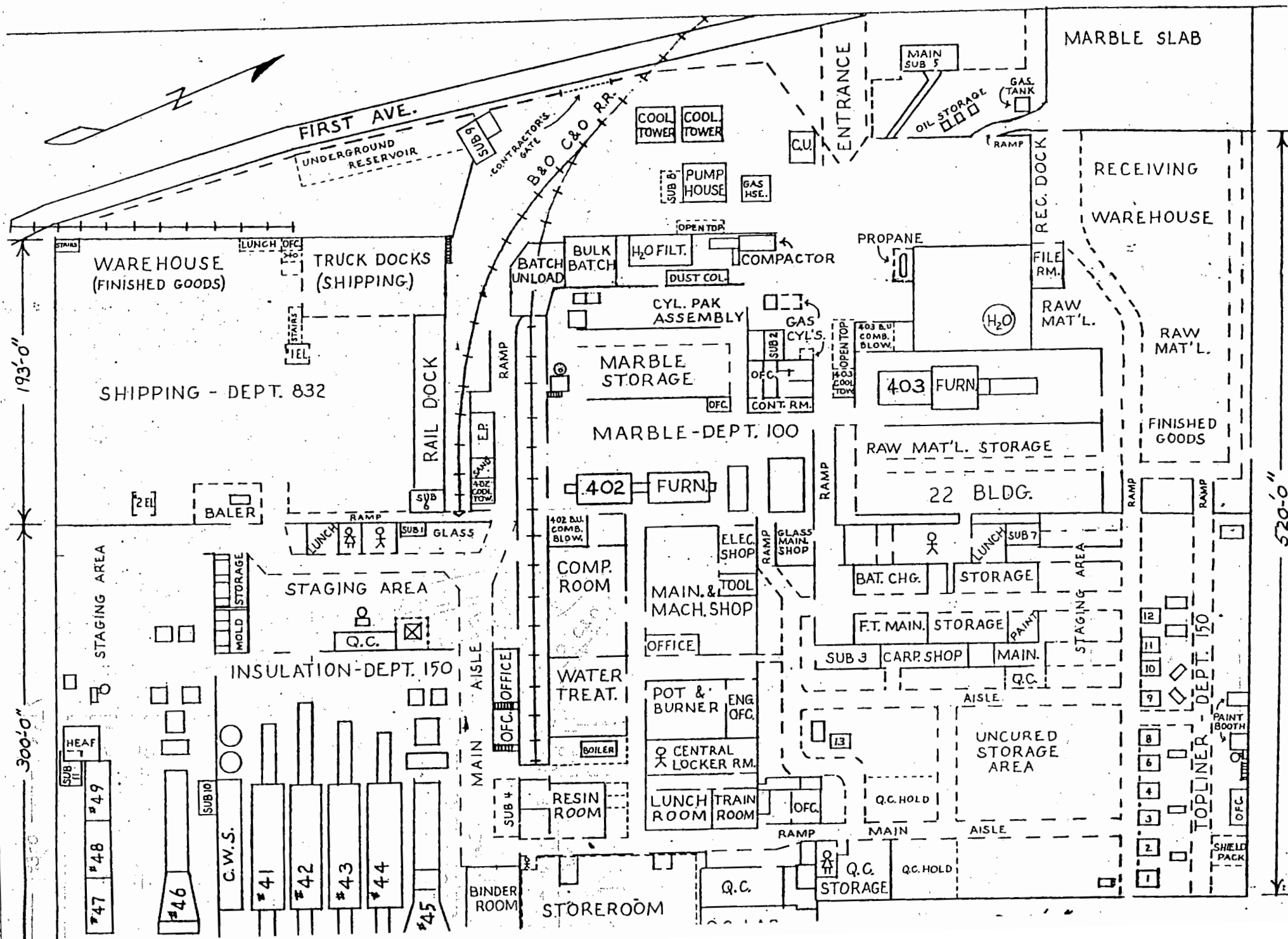


PARKERSBURG, W. VA. - OHIO
SE/4 PARKERSBURG 15' QUADRANT

MANVILLE SALES CORP
PARKERSBURG PLANT
VIENNA, WV



KWS
4-10-87



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WUD082243502		Manifest Document No. 93013		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
		3. Generator's Name and Mailing Address MANVILLE SALES CORP PLANT 4 VIENNA WV 26105		4. Generator's Phone (304) 295-9361		A. State Manifest Document Number		B. State Generator's ID		
GENERATOR	5. Transporter 1 Company Name SAFETY-KLEEN CORP.		6. US EPA ID Number TL D051060408		C. State Transporter's ID		D. Transporter's Phone 304-755-4279		E. State Transporter's ID	
	7. Transporter 2 Company Name		8. US EPA ID Number		F. Transporter's Phone		G. State Facility's ID		H. Facility's Phone	
	9. Designated Facility Name and Site Address SAFETY-KLEEN CORP. 354 PORTAGE BLVD KENT OH 44240		10. US EPA ID Number 0HD981099401		I. State Facility's ID		J. Facility's Phone 216-673-6628			
	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
	a. WASTE PAINT RELATED MATERIAL, FLAMMABLE LIQUID, NA1263 (EPA IGNITABILITY, F003)		2		DM		144		P	
	b. NOTICE: IN ACCORDANCE WITH 40 CFR 268.7, THE GENERATOR PROVIDES NOTICE THAT THE WASTE DESCRIBED AS 'WASTE PAINT RELATED MATERIAL' IS RESTRICTED WASTE. THE WASTE CONTAINS THE FOLLOWING CONSTITUENTS WHOSE TREATMENT STANDARDS ARE NOTED: ACETONE(0.59 PPM); MEK(0.75 PPM); XYLENE(0.33 PPM); TOLUENE(0.33 PPM); AND XYLENE(0.15 PPM).									
c. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE		K. Handling Codes for Wastes Listed Above								
d. ITEM 1(A) F003										
e. FOR RECYCLE										
15. Special Handling Instructions and Additional Information 4-075-42-2341 793013 6PT TERR 0310 WK 8802										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name KEVIN W. SPRAGUE					Signature <i>Kevin W. Sprague</i>			Date 1/21/88		
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials					Signature <i>Jim Gibson</i>			Date 1/21/88	
	18. Transporter 2 Acknowledgement of Receipt of Materials					Signature			Date	
19. Discrepancy Indication Space										
FACILITY	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					Signature <i>Tom Mathews</i>			Date 1/28/88	
	Printed/Typed Name TOM MATHIEWS									

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WVD082243502	Manifest Document No. 11469	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address MANVILLE SALES CORP PLANT 4 VIENNA WV 2905 3RD AVE WV 26105				A. State Manifest Document Number	
				B. State Generator's ID	
4. Generator's Phone (304) 295-9361				C. State Transporter's ID	
5. Transporter 1 Company Name SAFETY-KLEEN CORP.		6. US EPA ID Number ILD051060408		D. Transporter's Phone 304/755-4279	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address SAFETY-KLEEN CORP. ROCK BRANCH IND PARK NITRO, WV 25143		10. US EPA ID Number WVD000737387		F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone 304/755-4279	

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	HM	12. Containers	No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. WASTE PETROLEUM NAPHTHA, COMBUSTIBLE LIQUID, UN1255 (EPA, IGNITABILITY, D001)	X	8	DM	465	P	D001	
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above FOR RECYCLE	K. Handling Codes for Wastes Listed Above
---	---

15. Special Handling Instructions and Additional Information
4-075-02-2055
911469 6PT
TERR 0420 WK 8804

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name MARY LAUGHERY	Signature <i>Mary Laughery</i>	Date 1/21/88
17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Jeff Gladwell	Signature <i>Jeff Gladwell</i>	Date 1/21/88
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Jim GIBSON	Signature <i>Jim Gibson</i>	Date 1/21/88
---	--------------------------------	------------------------

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law
3. Generator's Name Manville Building Materials Corp. 2905 Third Avenue Vienna, WV 26105		4. Generator's Phone 304 295-9361		A. State Manifest Document Number IN 062481	
5. Transporter 1 Company Name Dart Trucking		6. US EPA ID Number OH D 0 0 9 8 6 5 8 2 5		B. State Generator's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
9. Designated Facility Name and Site Address Adams Center Landfill 4636 Adams Center Road Fort Wayne, IN 46806		10. US EPA ID Number IN D 0 7 8 9 1 1 1 4 6		D. Transporter's Phone (216) 533-9841	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste Solid, n.o.s., ORM-E NA 9189 RQ 1(0.454) EPA-EP-TOXIC (Chromium)		No. Type 0 0 1 D T		000000	YD
b.					D010
c.					D007
d.					
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Work Order #60070 Profile #COLG29955					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name KEVIN W. SPRAGUE		Signature <i>Kevin W. Sprague</i>		Month Day Year 02 11 78	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name John Brooks		Signature <i>John Brooks</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19.					
Printed/Typed Name		Signature		Month Day Year	

MICHIGAN DEPARTMENT
OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Section 299.548 MCL or Section 10 of
Act 136, P.A. 1989

Please print or type.

Form Approved OMB No. 2050-0039 Expires 9-30-88

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT-OF-STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address MANVILLE SALES CORP 2405 3RD AVE VIENNA WV 26105		6. US EPA ID Number MI D000820365		A. State Manifest Document Number MI 1134590	
4. Generator's Phone (261) 261-0516		8. US EPA ID Number		B. State Generator's ID	
5. Transporter 1 Company Name INLAND WATERS		10. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		12. Containers		D. Transporter's Phone 315 479 0444	
9. Designated Facility Name and Site Address CHEM MET SERVICES, INC 11550 ALLEN ROAD WYANDOTTE MI		13. Total Quantity		E. State Transporter's ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM)		14. Unit		F. Transporter's Phone	
a. H RQ HAZARDOUS WASTE SOLID - NO. 05 ORF NA 9189, -EPA-EP-TOXC (CHROMIUM)		15. Special Handling Instructions and Additional Information		G. Facility's Phone	
b.		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		H. Handling Codes for Waste Listed Above	
c.		17. Transporter 1 Acknowledgement of Receipt of Materials		I. Date	
d.		18. Transporter 2 Acknowledgement of Receipt of Materials		J. Date	
Additional Description of Materials Listed Above		19. Discrepancy Indication Space		K. Date	
15. Special Handling Instructions and Additional Information		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		L. Date	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		Printed/Typed Name		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
19. Discrepancy Indication Space		Signature		Month Day Year	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Signature		Month Day Year	



WVP 0822432
Gen

STATE OF WEST VIRGINIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1260 Greenbrier Street
Charleston, West Virginia 25311

ARCH A. MOORE, JR.
Governor

RONALD R. POTESTA
Director

ROBERT K. PARSONS
Deputy Director

JOHNS-MANVILLE

December 6, 1988

Mr. Kevin W. Sprague
Manville Sales Corporation
P. O. Box 5130
Vienna, West Virginia 26105-0130

Dear Mr. Sprague:

Enclosed is a copy of the "Compliance Evaluation Inspection" (CEI) Report completed on your facility by representatives of the Chief of the Division of Waste Management. This report is based on the inspection conducted on October 13, 1988.

Please refer to the "Compliance Evaluation" section of the report for those violations discovered during the course of this inspection.

A copy of this report will be referred to the Enforcement Unit of this Division with an additional copy transmitted to the United States Environmental Protection Agency (U. S. EPA), Region III, Philadelphia, Pennsylvania.

Thank you for your assistance and cooperation during this inspection. If you have any questions concerning the inspection or attached report, please feel free to contact this office at 304/348-5929.

Sincerely,

Ava C. Zeitz
Ava C. Zeitz
Compliance Monitoring and
Enforcement Section Leader

ACZ/pd
Enclosure

cc: Doug Donor, EPA, Region III
John Meeks, Enforcement Unit
Dale Gable, Inspector

RCRA COMPLIANCE SECTION
RECEIVED

DEC 28 1988

INSPECTION FACT SHEET

COMPANY NAME: Manville Sales Corporation

I. D. #: WVD082243502

MAILING ADDRESS: P. O. Box 5130
2905 3rd Avenue
Vienna, WV 26105-0130

TYPE OF FACILITY: Generator

LOCATION: Vienna, WV 26105-0130

COUNTY: Wood

COMPANY CONTACT: Kevin W. Sprague,
Environmental Coordinator

HANDLING CODES: S01

PHONE: (304) 295-9361

PURPOSE: Compliance Evaluation Inspection

APPLICABLE REGULATIONS: West Virginia Hazardous Waste Management Act,
Chapter 20-5E; West Virginia Administrative
Regulations for Chapter 20-5E; and/or 40 CFR 265.

LIST OF CHEMICALS:

(For Small Quantity Generators, list amount of waste, how it is handled; where it goes)

D001, D006*, D007, D010*, F003, F005, D002

*Trace amounts in D007 waste

DATE INSPECTED: October 13, 1988

INSPECTORS: (1) Dale Gable, WV DNR/DWM
(2) Kevin Campbell, WV DNR/DWM
(3)

DATE PREPARED: October 14, 1988

PREPARED BY: Dale Gable

INSPECTION REPORT

SUBJECT: Compliance Evaluation Inspection of Manville Sales Corporation, Vienna, WV 26101

INSPECTORS: Dale Gable, WV DNR/DWM
Kevin Campbell, WV DNR/DWM

DATE INSPECTED: October 13, 1988

DATE PREPARED: October 14, 1988

PREPARED BY: Dale Gable

On October 13, 1988, this inspector and Kevin Campbell, Inspector WV DNR/DWM, conducted a Compliance Evaluation Inspection of Manville Sales Corporation, Vienna, WV. Upon our arrival at 2:40 p.m. for this unannounced inspection, we were met by Kevin Sprague, Environmental Coordinator.

Upon presentation of appropriate credentials, we advised the official of our authority as representatives of the Chief of the Division of Waste Management pursuant to Chapter 20 of the Code of West Virginia and as specified in Section 3007(a) of the Resource Conservation and Recovery Act. The facility representative was informed that this inspection would emphasize the company's compliance with the Hazardous Waste Management Act (Chapter 20, Article 5E) and the regulations promulgated thereunder.

The Manville Sales Corporation, Vienna, WV, is a facility which is dedicated to the production of glass marbles which are melted to produce fiberglass insulation materials. The hazardous wastes which are generated at the facility include:

- D001: Waste Petroleum Naptha
- F003, F005: Waste Paint Related Material containing Acetone, MEK, MIBK, Toluene and Xylene
- D007: Electrostatic Precipitator (EP) dust, Furnace Stack Drain material and used Furnace Chromium Brick
- D006, D010: Trace amounts of Cadmium and Selenium in D007 waste

The waste petroluem naptha is generated through parts cleaning operations in Safety-Kleen basins throughout the facility. All of the chrome-containing wastes are produced as a result of the use of chrome refractory brick in the glass

furnaces which imparts an E.P. toxic character to the EP dust and the furnace stack drain material. A large percentage of this material is recycled by being fed into the furnaces and remelted for glass recovery. Also, periodically, the glass furnaces are rebuilt in order to install new refractory bricks. The old chrome bricks are currently disposed of as an E.P. Toxic hazardous waste. The facility is seeking a firm which will recycle the used chrome brick.

The main purpose of this inspection was to follow-up the previous CEI of June 28, 1988 when certain violations were noted. The facility now maintains a written description of the type and amount of introductory and continuing training for personnel that are involved in hazardous waste management. The facility has now submitted a copy of their Contingency Plan to local police, fire departments and hospitals as evidenced by Certified Mail receipts. The hazardous waste determinations for the unknown drums mentioned in the June 28, 1988 inspection have been completed. (See attachment A) The Inland Waters Company of Brownstown Township, Michigan, a broker for Mansville Sales Corporation, contracted with Environmental Quality Laboratories of Sterling Heights, Michigan for the testing of the unknown drums.

The chemical analysis of the unknown drums indicates hazardous characteristics in approximately 40 of the drums. The Inland Waters Company is now seeking a proper disposal facility for the wastes. The remaining drums contained various used oils from the facility and will be accepted by Safety-Kleen Corporation for disposal or reclamation.

During the physical inspection of the facility, aisle space between rows of hazardous waste drums was found to be adequate, satisfying the previous violation condition. Recently tested unknown drums were numbered, but not yet labeled as "Hazardous waste". Mr. Sprague will label all hazardous waste containers immediately following complete examination of the laboratory analysis. Following a brief

factory tour and discussion with Mr. Sprague we then thanked him for his cooperation and assistance then departed the facility at 3:48 p.m.

Compliance Evaluation

1. The generator has accumulated hazardous wastes onsite for greater than 90 days, in violation of Section 6.3.5.a of the West Virginia Hazardous Waste Management Regulations (hereinafter the "Regulations").

2. The generator has not marked each hazardous waste container with the date of each period of accumulation in violation of Section 6.3.5.a.2 of the Regulations.

3. The generator has failed to label or mark each hazardous waste container with the words "Hazardous Waste" in violation of Section 6.3.5.a.4 of the Regulations.

Areas of Concern

1. The sampling methods of outside brokers or contract Laboratories should be scrutinized more closely by the facility, as was discussed between this inspector and Mr. Sprague via a later telephone conversation.

DG/sim



ENVIRONMENTAL QUALITY LABORATORIES, INC.

6540 Diplomat Drive
Sterling Heights, Michigan 48078-7258
(313) 731-1818
Outside Michigan Dial 1-800-368-5227
Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-A

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 1
SAMPLE MATTIX
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)	STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC = *LESS THAN 0.01	5.0	7061
BARIUM = LESS THAN 0.5	100.0	7080
CADMIUM = LESS THAN 0.5	1.0	7130
CHROME, TOT. = LESS THAN 0.5	5.0	7190
COPPER = LESS THAN 0.5	100.0	7210
LEAD = LESS THAN 0.5	5.0	7420
MERCURY = LESS THAN 0.01	0.2	7470
SILVER = LESS THAN 0.5	5.0	7760
SELENIUM = LESS THAN 0.01	1.0	7741
ZINC = 1.0	500.0	7950
IGNITABILITY = 115 °F	BELOW 140 DEGREE F	
	SEC. 2.1.1	1010
CORROSIVITY (pH) = 1.65	less than or = to 2 or	
	greater than or = 13.	1110
REACTIVITY		
as Reactive Cyanide = LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide = LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.

Attachment A

SEP 28 '88



ENVIRONMENTAL QUALITY LABORATORIES, INC.

6540 Diplomat Drive
Sterling Heights, Michigan 48078-7258
(313) 731-1818
Outside Michigan Dial 1-800-368-5227
Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-B

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 3, 12, 20, 29, 32
SAMPLE MATRIX
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE
(all results in ppm or mg/l)

STANDARDS METHOD
(ppm or mg/l) SW 846-B

ARSENIC	= *LESS THAN 0.01	5.0	7061
BARIUM	= LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= 24.0	500.0	7950
IGNITABILITY	= 108°F	BELOW 140 DEGREE F	

CORROSIVITY (pH) = 7.85

less than or = to 2 or

greater than or = 13. 1110

REACTIVITY

as Reactive Cyanide	=LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide	=LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



ENVIRONMENTAL QUALITY LABORATORIES, INC.

6540 Diplomat Drive
Sterling Heights, Michigan 48078-7258
(313) 731-1818
Outside Michigan Dial 1-800-368-5227
Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-C

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 4, 17,
SAMPLE MATRIX
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)	STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC = *LESS THAN 0.01	5.0	7061
BARIUM = LESS THAN 0.5	100.0	7080
CADMIUM = LESS THAN 0.5	1.0	7130
CHROME, TOT. = LESS THAN 0.5	5.0	7190
COPPER = LESS THAN 0.5	100.0	7210
LEAD = LESS THAN 0.5	5.0	7420
MERCURY = LESS THAN 0.01	0.2	7470
SILVER = LESS THAN 0.5	5.0	7760
SELENIUM = LESS THAN 0.01	1.0	7741
ZINC = 1.7	500.0	7950
IGNITABILITY = 118°F	BELOW 140 DEGREE F	
	SEC. 2.1.1 1010	
CORROSIVITY (pH) = 4.90	less than or = to 2 or	
	greater than or = 13. 1110	
REACTIVITY		
as Reactive Cyanide = LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide = LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
500-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88

DATE RECEIVED: 9-7-88

LAB NO. 1113-D

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 6, 11, 15, 27, 33,
SAMPLE MATRIX 34, 39-BOTTOM LAYER
REPORT OF ANALYSIS

=====

EXTRACTION PROCEDURE - LEACHEATE
(all results in ppm or mg/l)

STANDARDS METHOD
(ppm or mg/l) SW 846-B

ARSENIC	= *LESS THAN 0.01	5.0	7061
BARIUM	= LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= 2.3	500.0	7950
IGNITABILITY	= 106°F	BELOW 140 DEGREE F	

CORROSIVITY (pH) = 9.0

SEC. 2.1.1 1010
less than or = to 2 or
greater than or = 13. 1110

REACTIVITY

as Reactive Cyanide	=LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide	=LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
800-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-E

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 7,
SAMPLE MATTrix
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)		STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC	= 0.03	5.0	7061
BARIUM	= *LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= LESS THAN 0.5	500.0	7950
IGNITABILITY	= 99°F	BELOW 140 DEGREE F SEC. 2.1.1 1010	
CORROSIVITY (pH)	= 7.9	less than or = to 2 or greater than or = 13. 1110	
REACTIVITY			
as Reactive Cyanide =LESS THAN 1.0 mg/Kg		250	9010
as Reactive Sulfide =LESS THAN 10.0 mg/Kg		500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-F

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 2, 8-BOTTOM LAYER,
SAMPLE MATRIX 9, 13, 14, 24, 28, 31, 35, 36,
REPORT OF ANALYSIS 38, 39-TOP, 43, 48, 49

=====

EXTRACTION PROCEDURE - LEACHEATE
(all results in ppm or mg/l)

STANDARDS METHOD
(ppm or mg/l) SW 846-B

ARSENIC	= *LESS THAN 0.01	5.0	7061
BARIUM	= LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= 3.6	500.0	7950
IGNITABILITY	= 120 °F	BELOW 140 DEGREE F	
		SEC. 2.1.1	1010
CORROSIVITY (pH)	= 6.5	less than or = to 2 or	
		greater than or = 13.	1110

REACTIVITY

as Reactive Cyanide	=LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide	=LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR *Thomas Megna*

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-G

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 8-TOP, 16, 18, 22,
SAMPLE MATRIX 26, 30, 37, 44
REPORT OF ANALYSIS

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EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)	STANDARDS (ppm or mg/l)	METHOD SW 846-B
--	----------------------------	--------------------

ARSENIC	= *LESS THAN 0.01	5.0	7061
BARIUM	= LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= 1.1	500.0	7950
IGNITABILITY	= 75°F	BELOW 140 DEGREE F	
		SEC. 2.1.1	1010
CORROSIVITY (pH) = 8.0		less than or = to 2 or	
		greater than or = 13.	1110

REACTIVITY

as Reactive Cyanide	=LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide	=LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-H

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 5, 19, 23
SAMPLE MATTIX
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)	STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC = *LESS THAN 0.01	5.0	7061
BARIUM = LESS THAN 0.5	100.0	7080
CADMIUM = LESS THAN 0.5	1.0	7130
CHROME, TOT. = LESS THAN 0.5	5.0	7190
COPPER = LESS THAN 0.5	100.0	7210
LEAD = LESS THAN 0.5	5.0	7420
MERCURY = LESS THAN 0.01	0.2	7470
SILVER = LESS THAN 0.5	5.0	7760
SELENIUM = LESS THAN 0.01	1.0	7741
ZINC = 0.6	500.0	7950
IGNITABILITY = GREATER THAN 212°F	BELOW 140 DEGREE F	
	SEC. 2.1.1	1010
CORROSIVITY (pH) = 8.6	less than or = to 2 or	
	greater than or = 13.	1110
REACTIVITY		
as Reactive Cyanide = LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide = LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



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(313) 731-1818
Outside Michigan Dial 1-800-368-5227
Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-I

DESCRIPTION AND SAMPLE NUMBER **COMPOSITE OF 21,**
SAMPLE MATRIX
REPORT OF ANALYSIS

EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)	STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC = *LESS THAN 0.01	5.0	7061
BARIUM = LESS THAN 0.5	100.0	7080
CADMIUM = LESS THAN 0.5	1.0	7130
CHROME, TOT. = LESS THAN 0.5	5.0	7190
COPPER = LESS THAN 0.5	100.0	7210
LEAD = LESS THAN 0.5	5.0	7420
MERCURY = LESS THAN 0.01	0.2	7470
SILVER = LESS THAN 0.5	5.0	7760
SELENIUM = LESS THAN 0.01	1.0	7741
ZINC = LESS THAN 0.5	500.0	7950
IGNITABILITY = 161°F	BELOW 140 DEGREE F	
	SEC. 2.1.1	1010
CORROSIVITY (pH) = 13.5	less than or = to 2 or	
	greater than or = 13.	1110
REACTIVITY		
as Reactive Cyanide = LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide = LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.



ENVIRONMENTAL QUALITY LABORATORIES, INC.

6540 Diplomat Drive
Sterling Heights, Michigan 48078-7258
(313) 731-1818
Outside Michigan Dial 1-800-368-5227
Fax Line 313-731-2590

INLAND WATERS
24354 KING RD.
BROWNSTOWN TWP., MI 48174

ATTN: JOEL DUELING

DATE REPORTED: 9-14-88
DATE RECEIVED: 9-7-88
LAB NO. 1113-J

DESCRIPTION AND SAMPLE NUMBER COMPOSITE OF 10, 25, 50
SAMPLE MATRIX
REPORT OF ANALYSIS

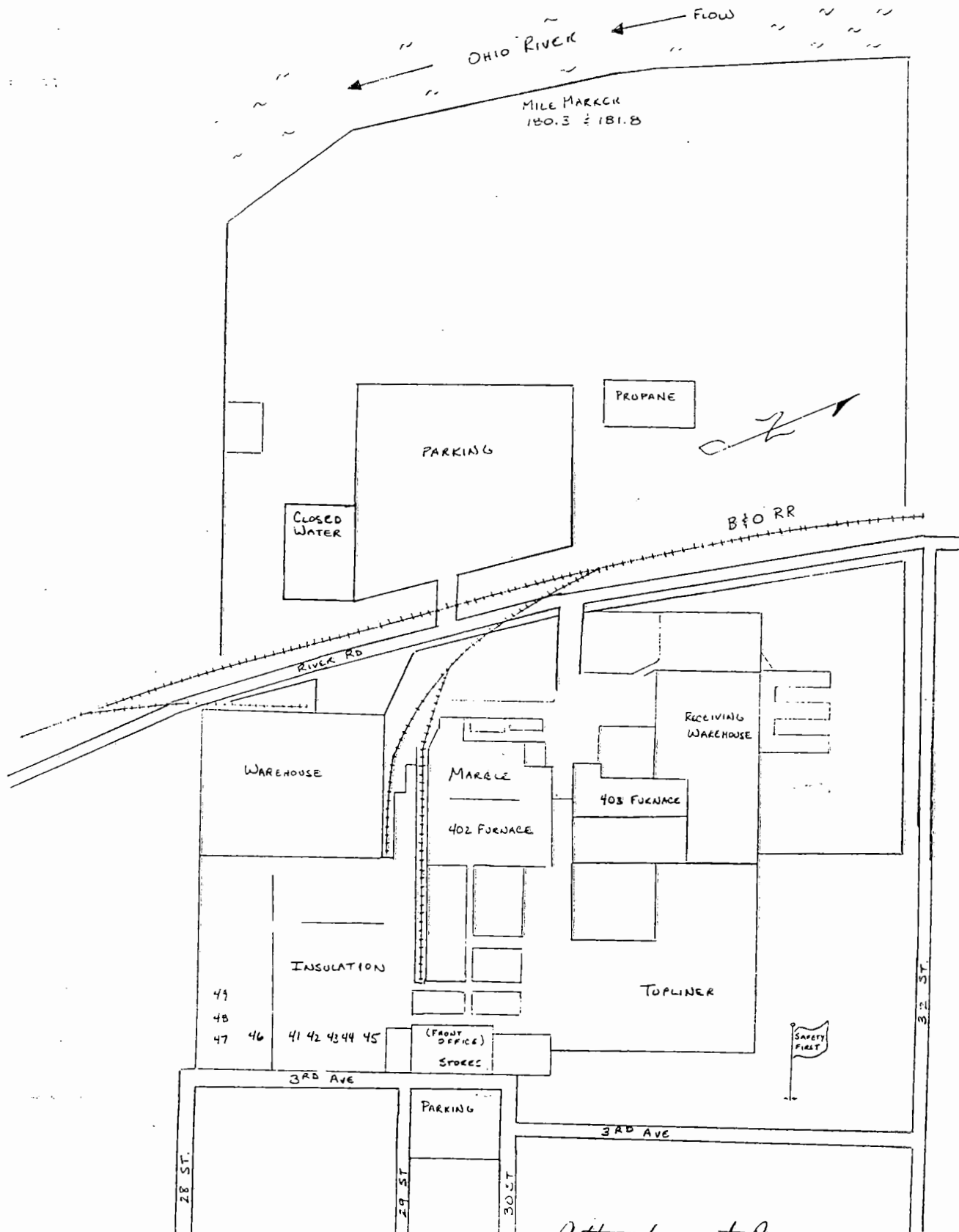
EXTRACTION PROCEDURE - LEACHEATE (all results in ppm or mg/l)		STANDARDS (ppm or mg/l)	METHOD SW 846-B
ARSENIC	= *LESS THAN 0.01	5.0	7061
BARIUM	= LESS THAN 0.5	100.0	7080
CADMIUM	= LESS THAN 0.5	1.0	7130
CHROME, TOT.	= LESS THAN 0.5	5.0	7190
COPPER	= LESS THAN 0.5	100.0	7210
LEAD	= LESS THAN 0.5	5.0	7420
MERCURY	= LESS THAN 0.01	0.2	7470
SILVER	= LESS THAN 0.5	5.0	7760
SELENIUM	= LESS THAN 0.01	1.0	7741
ZINC	= 6.9	500.0	7950
IGNITABILITY	= 113 °F	BELOW 140 DEGREE F	
		SEC. 2.1.1	1010
CORROSIVITY (pH)	= 7.0	less than or = to 2 or	
		greater than or = 13.	1110
REACTIVITY			
as Reactive Cyanide	=LESS THAN 1.0 mg/Kg	250	9010
as Reactive Sulfide	=LESS THAN 10.0 mg/Kg	500	9030

*NOTE: TERM LESS THAN DENOTES DETECTION LIMIT OF TEST.

THOMAS S. MEGNA, M.S., LAB DIRECTOR

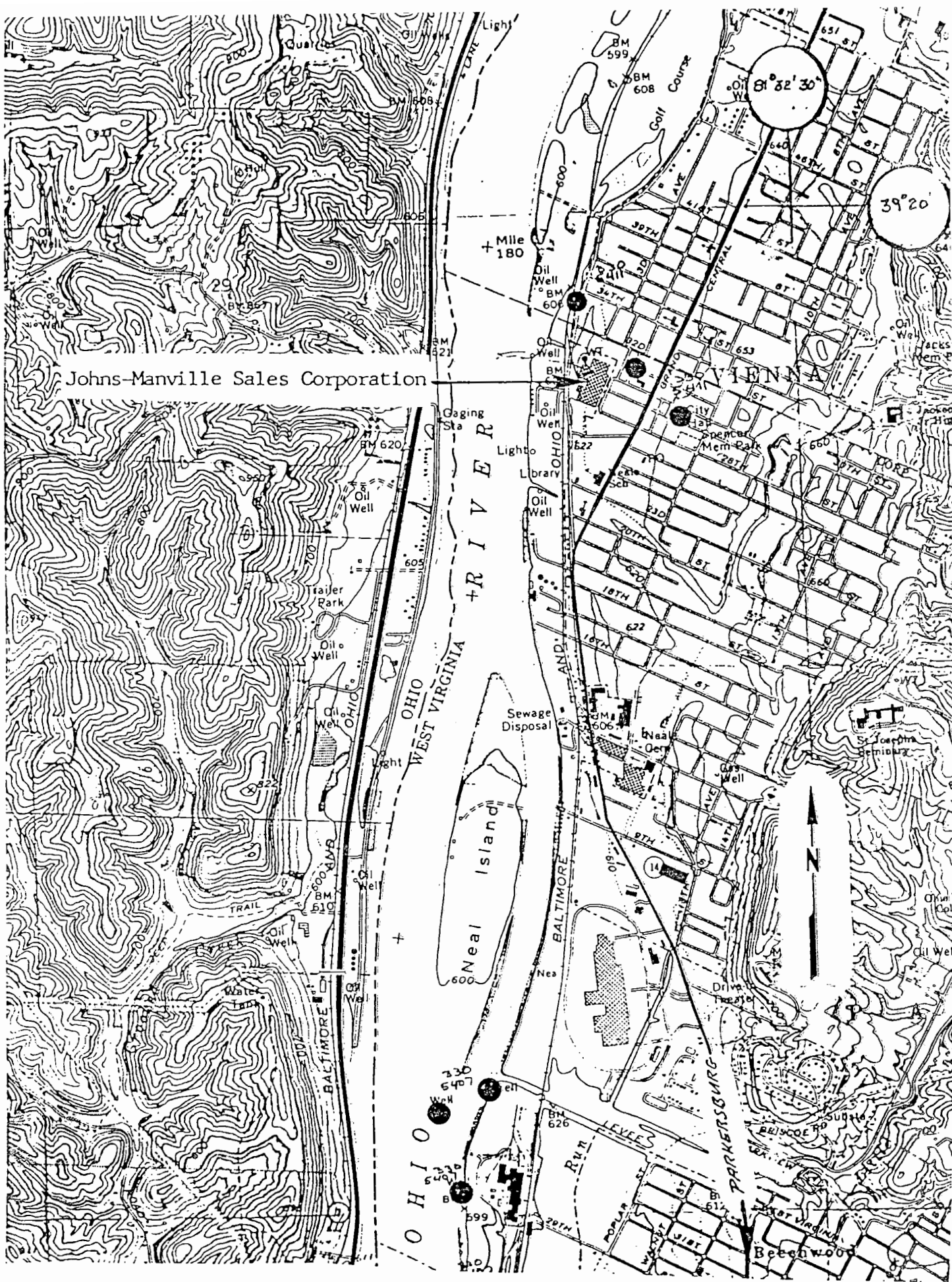
REFERENCES: STANDARD METHODS FOR EXAMINATION OF WATER, E.P.A.
600-4/79-020, A.S.T.M., N.I.O.S.H. MANUAL, P.C.B., E.P.A.,
SW 846-B. ALL CURRENT EDITIONS.

MANVILLE SALES CORP
PARKERCEURK PLANT
VIENNA, WV



KWS
4-10-87

Attachment B



PARKERSBURG, W. VA. - OHIO
SE/4 PARKERSBURG 15' QUADRANT F

Attachment C